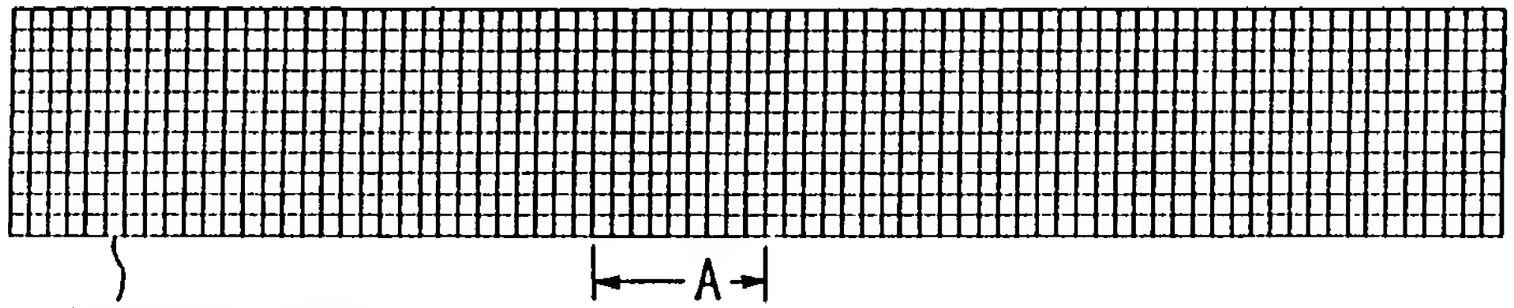
FIG. 1A
PRIOR ART



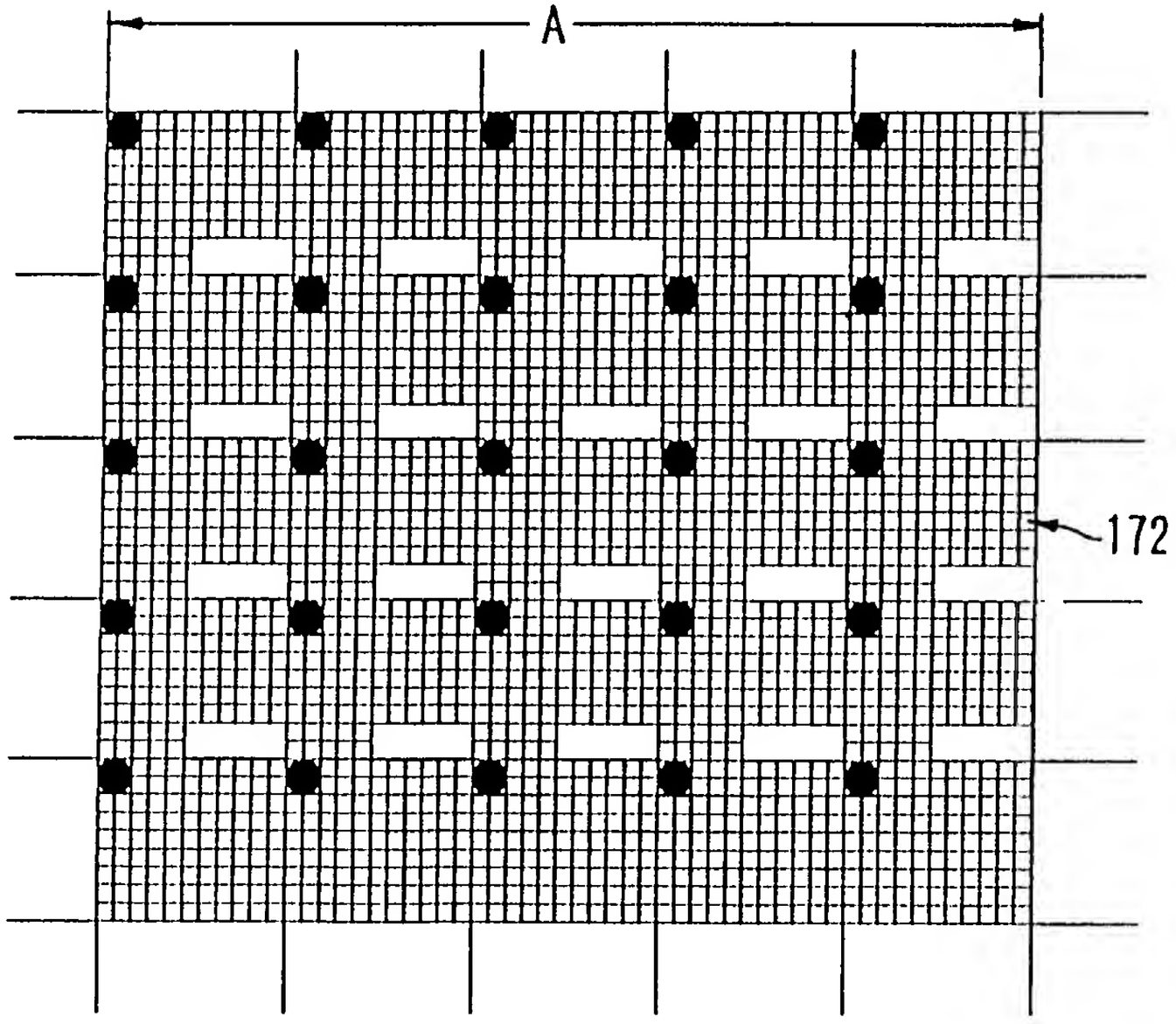


FIG. 1B
PRIOR ART

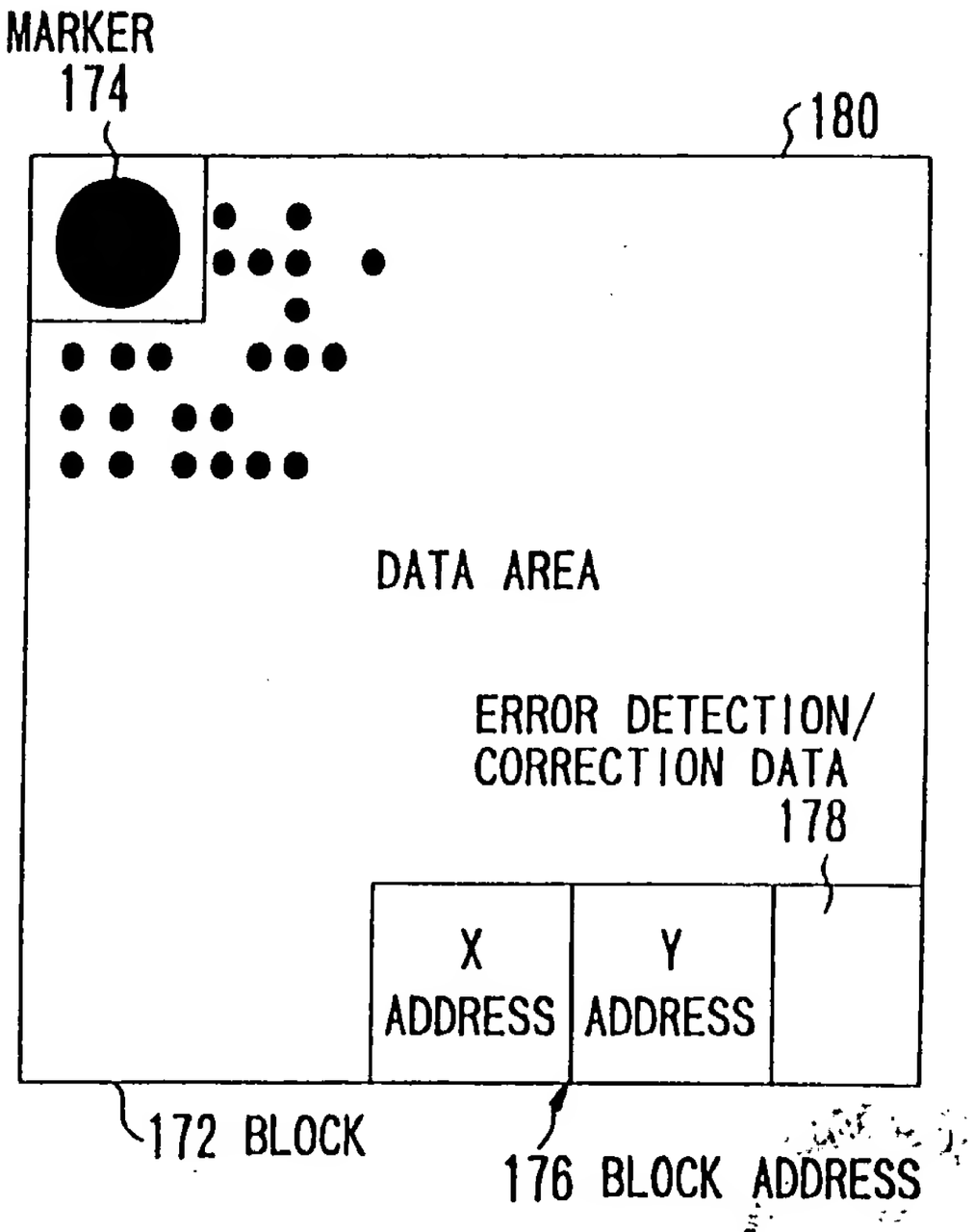


FIG. 1C
PRIOR ART

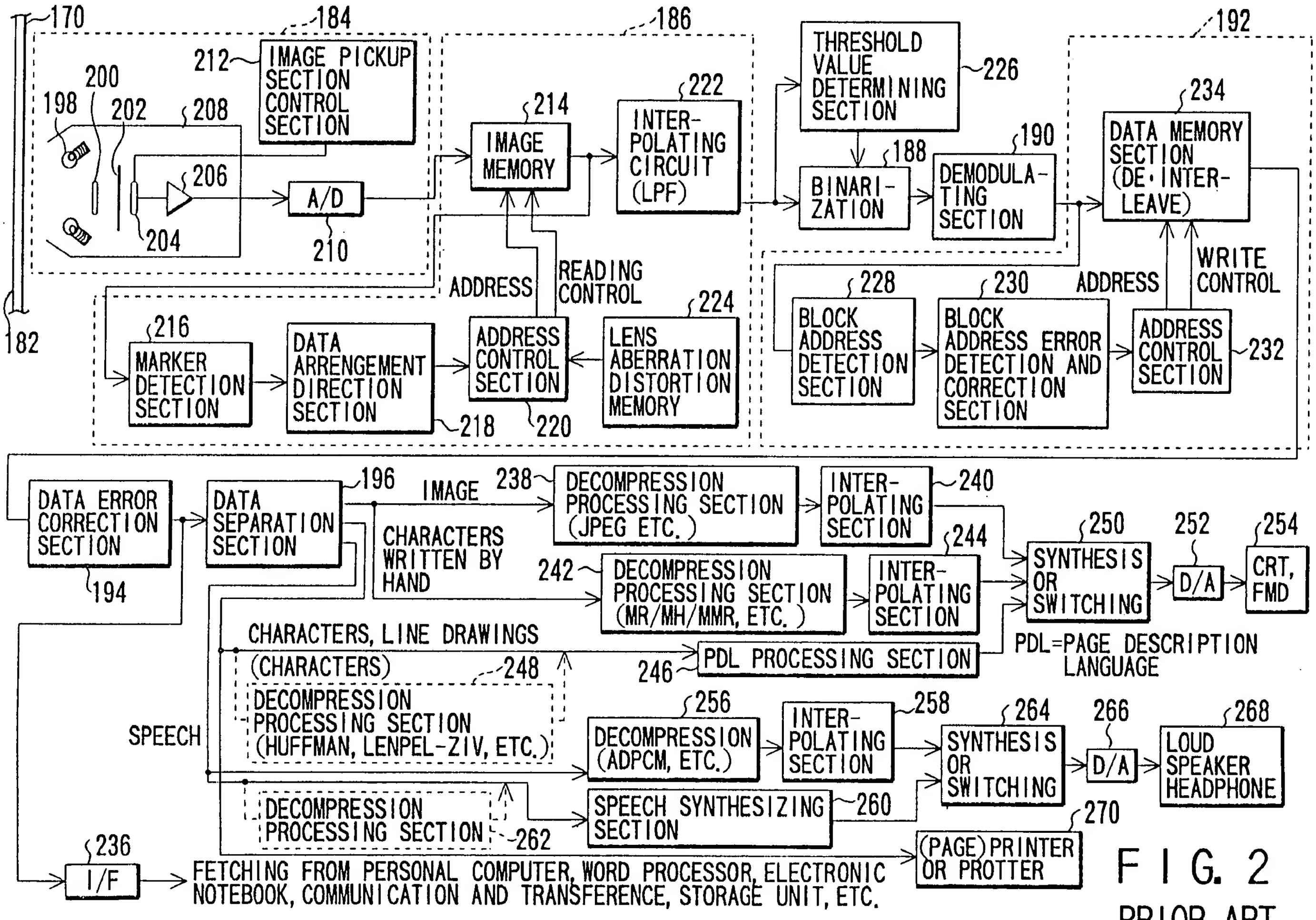


FIG. 2
PRIOR ART

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

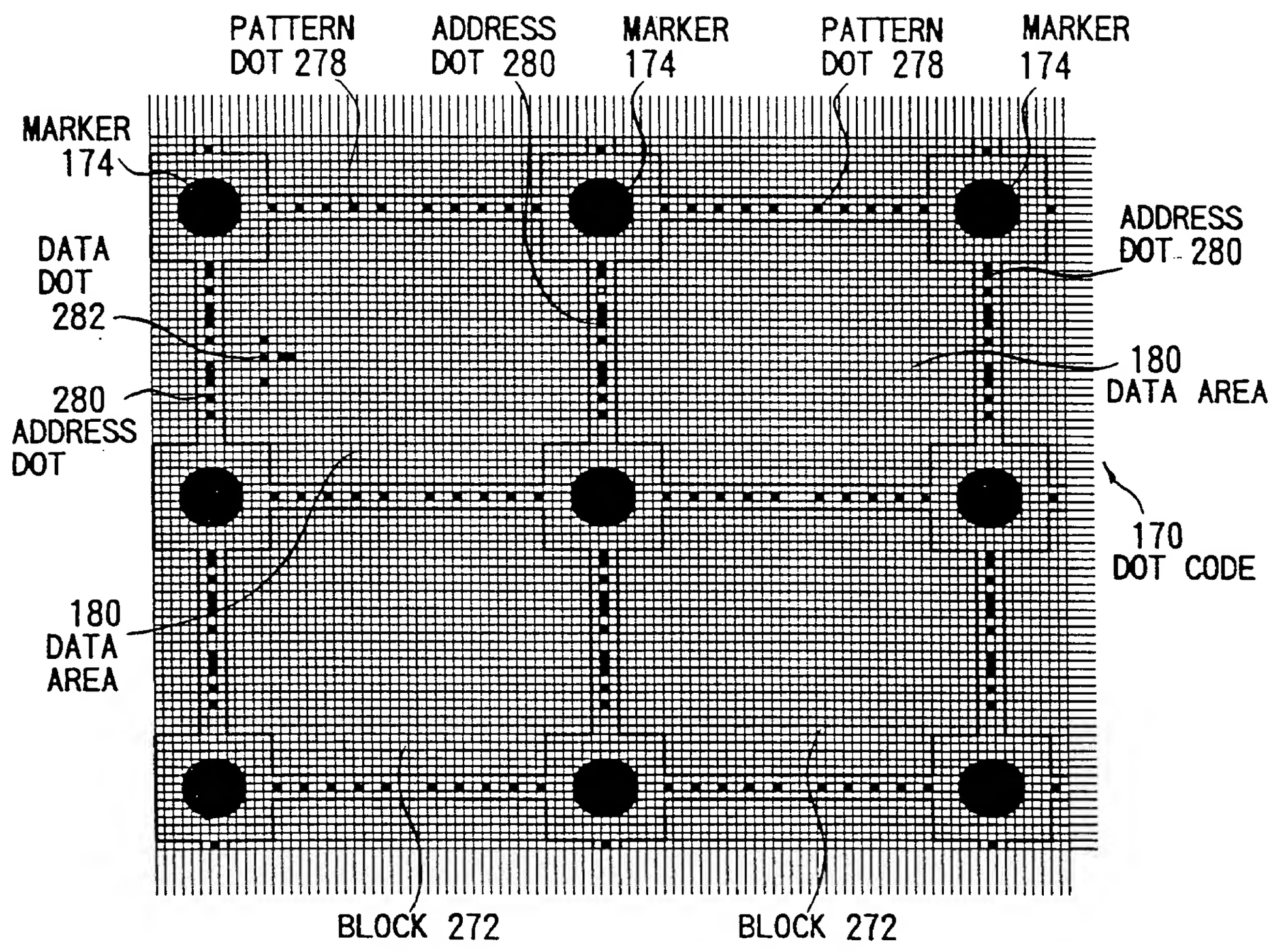


FIG. 3

PRIOR ART

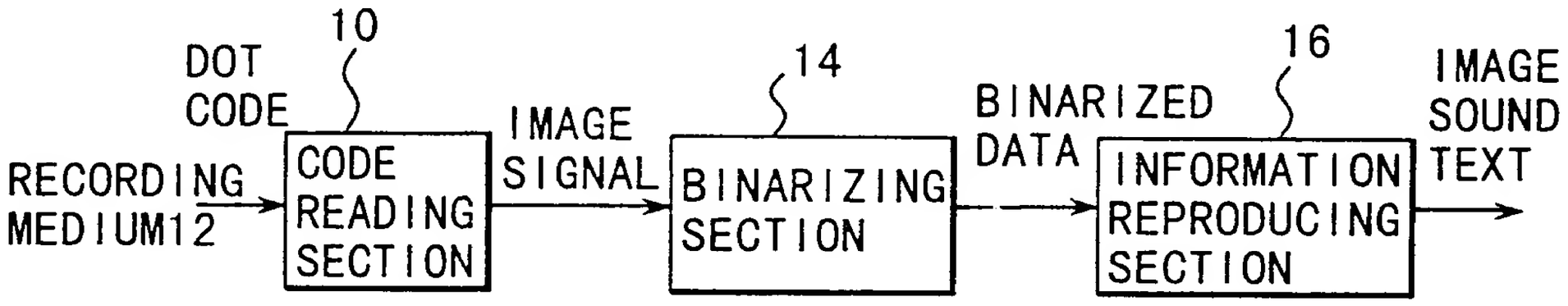


FIG. 4A

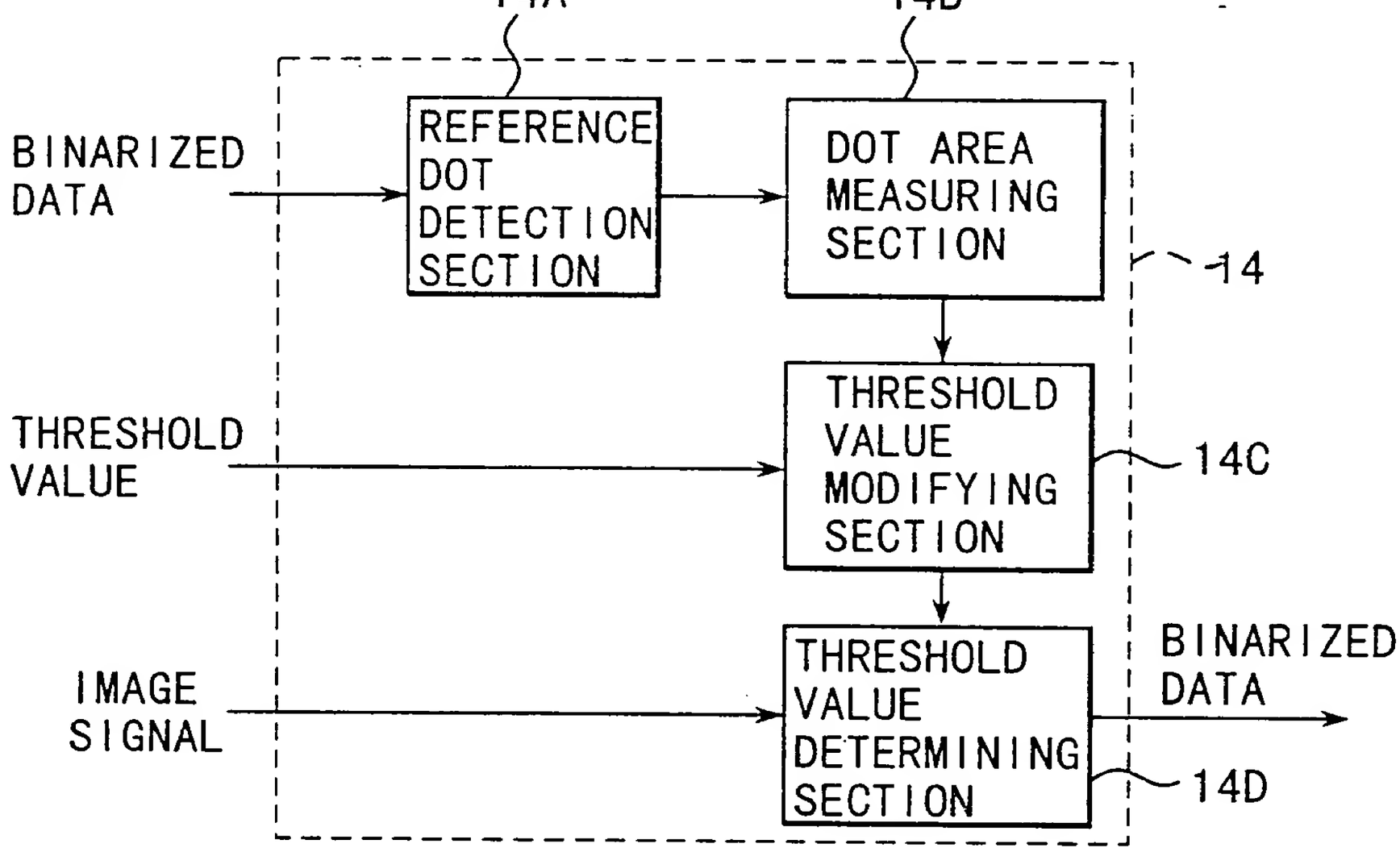


FIG. 4B

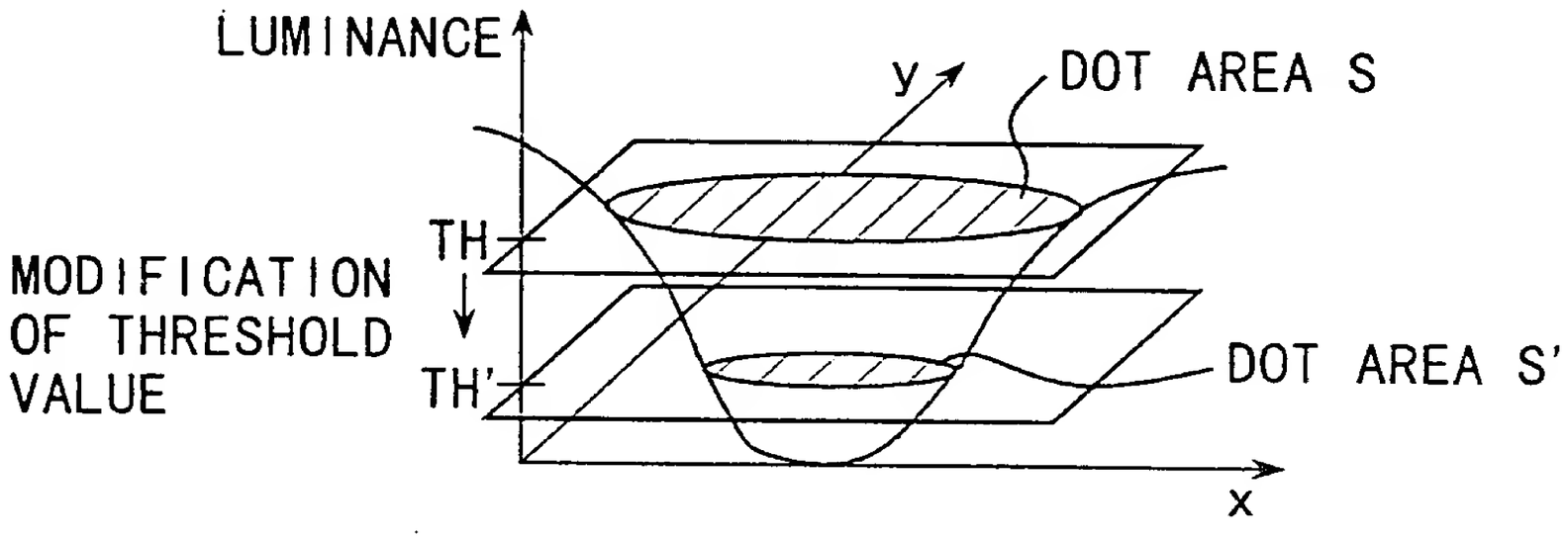


FIG. 5

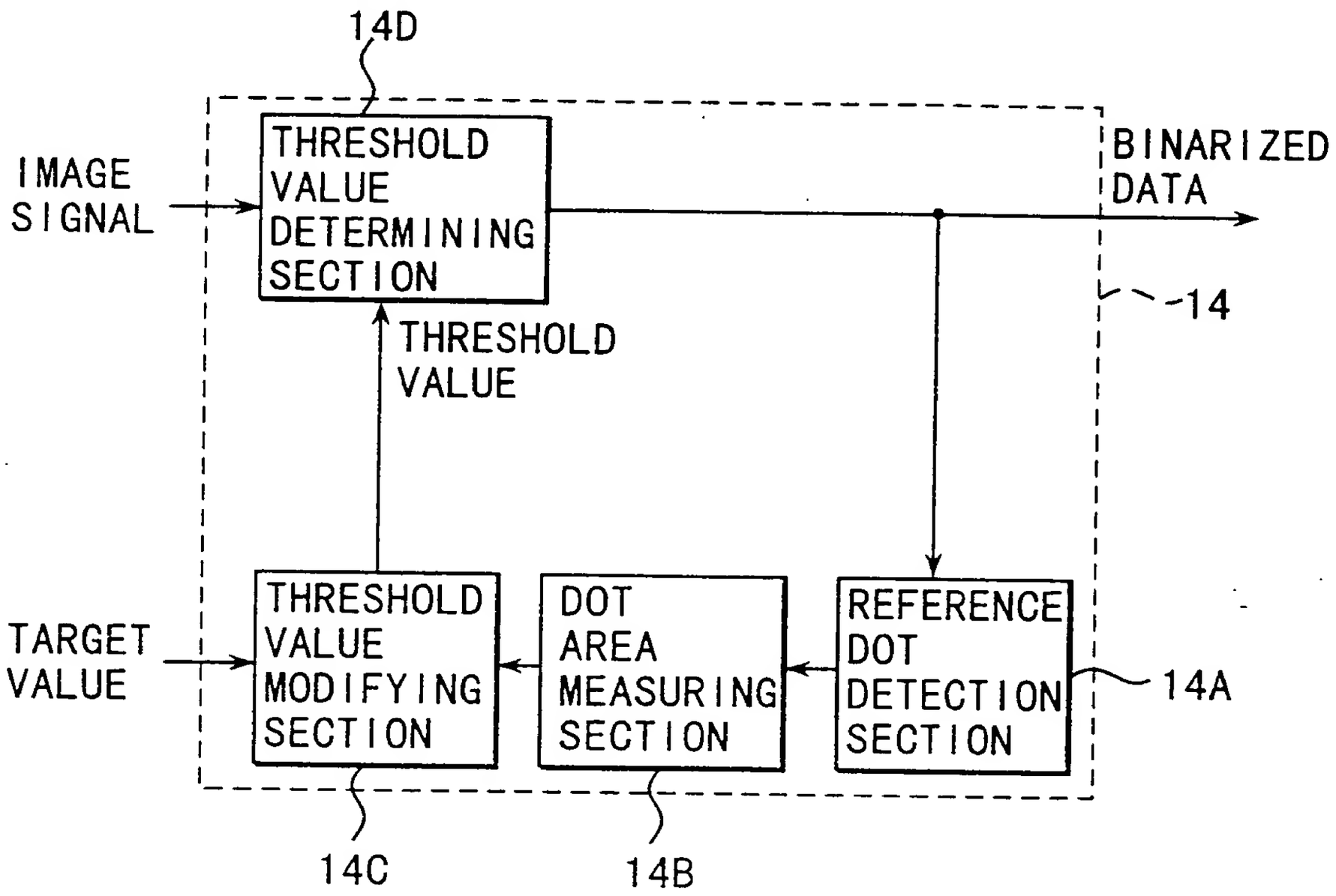


FIG. 6A

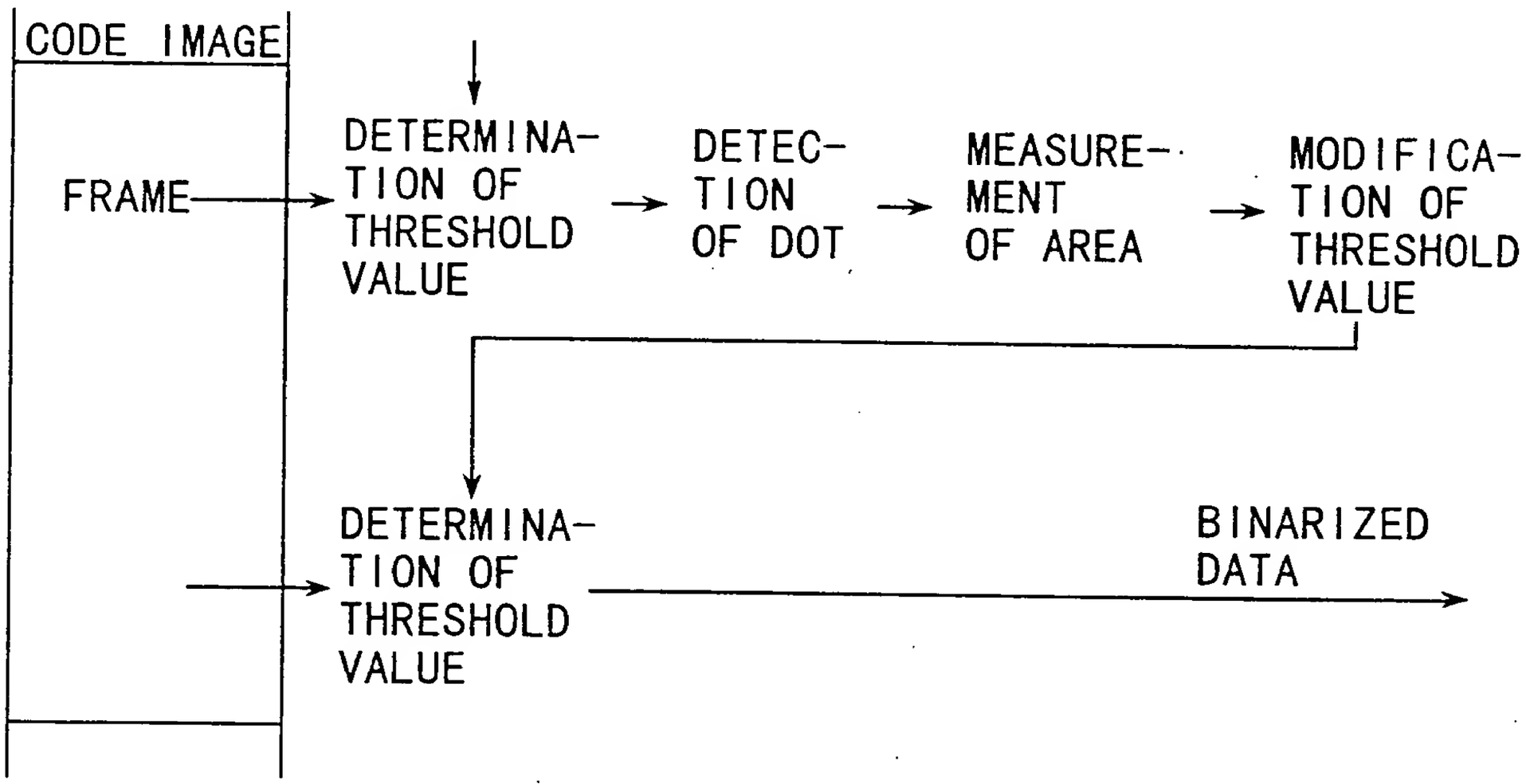


FIG. 6B

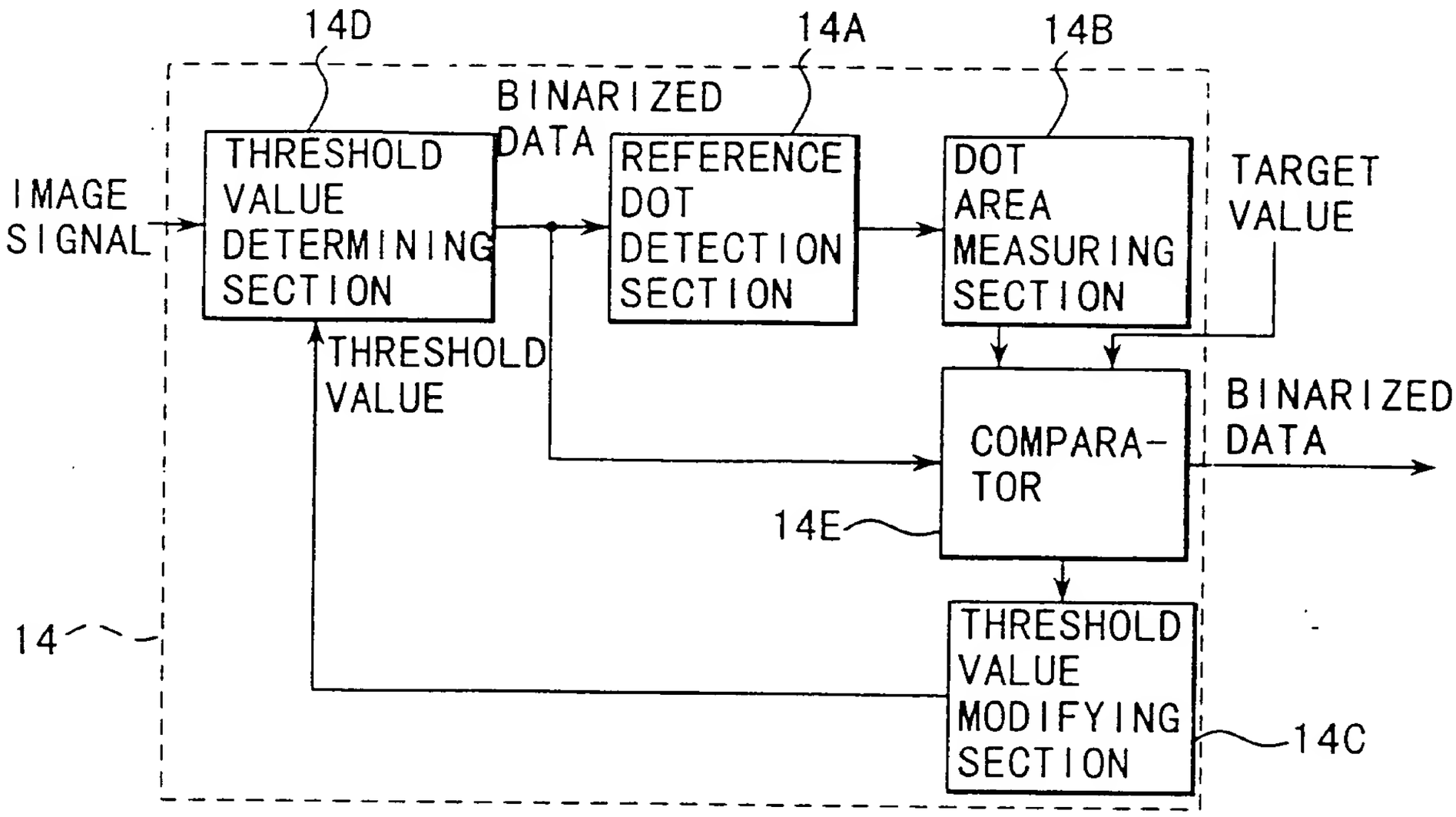


FIG. 7

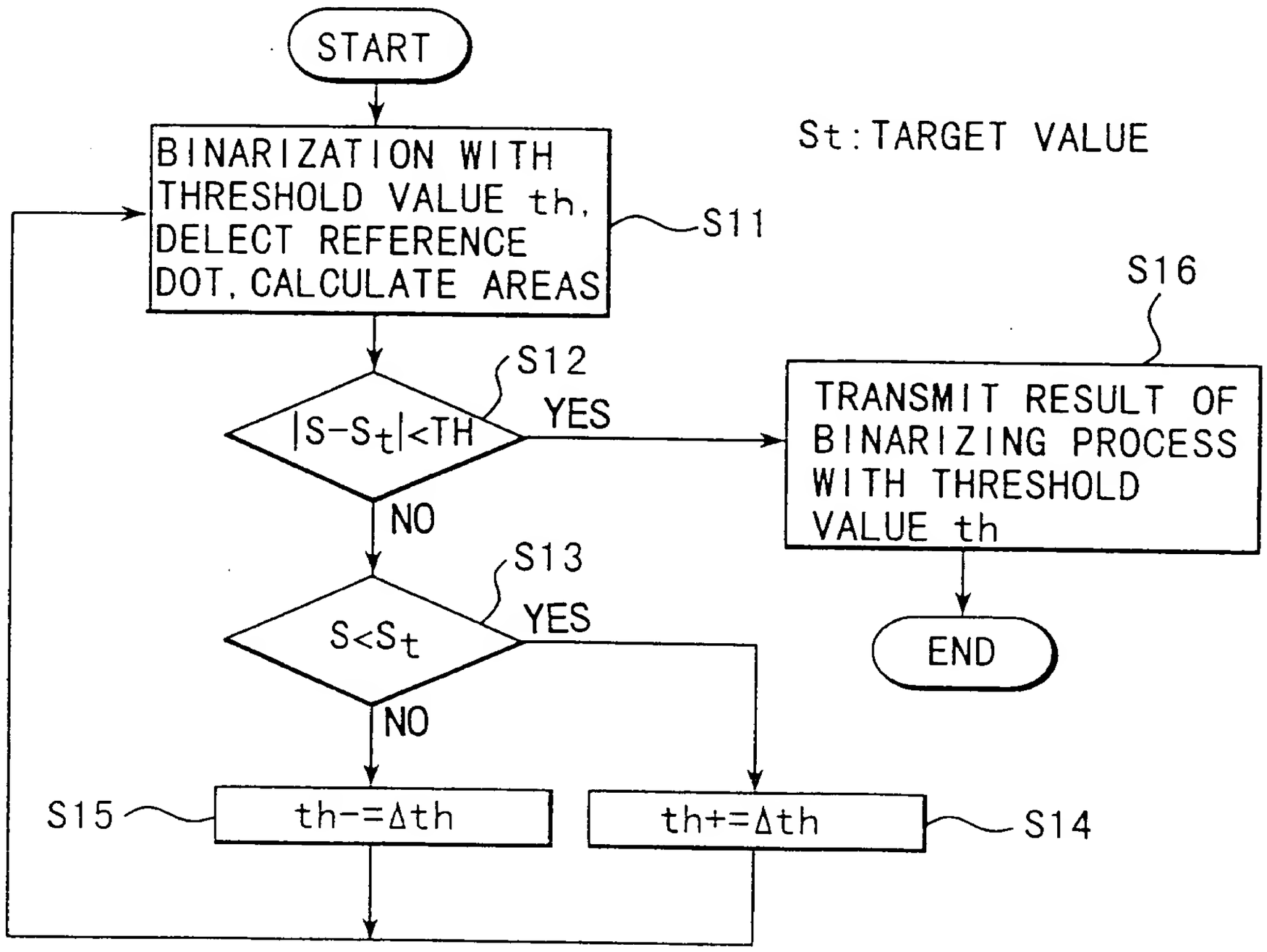


FIG. 8

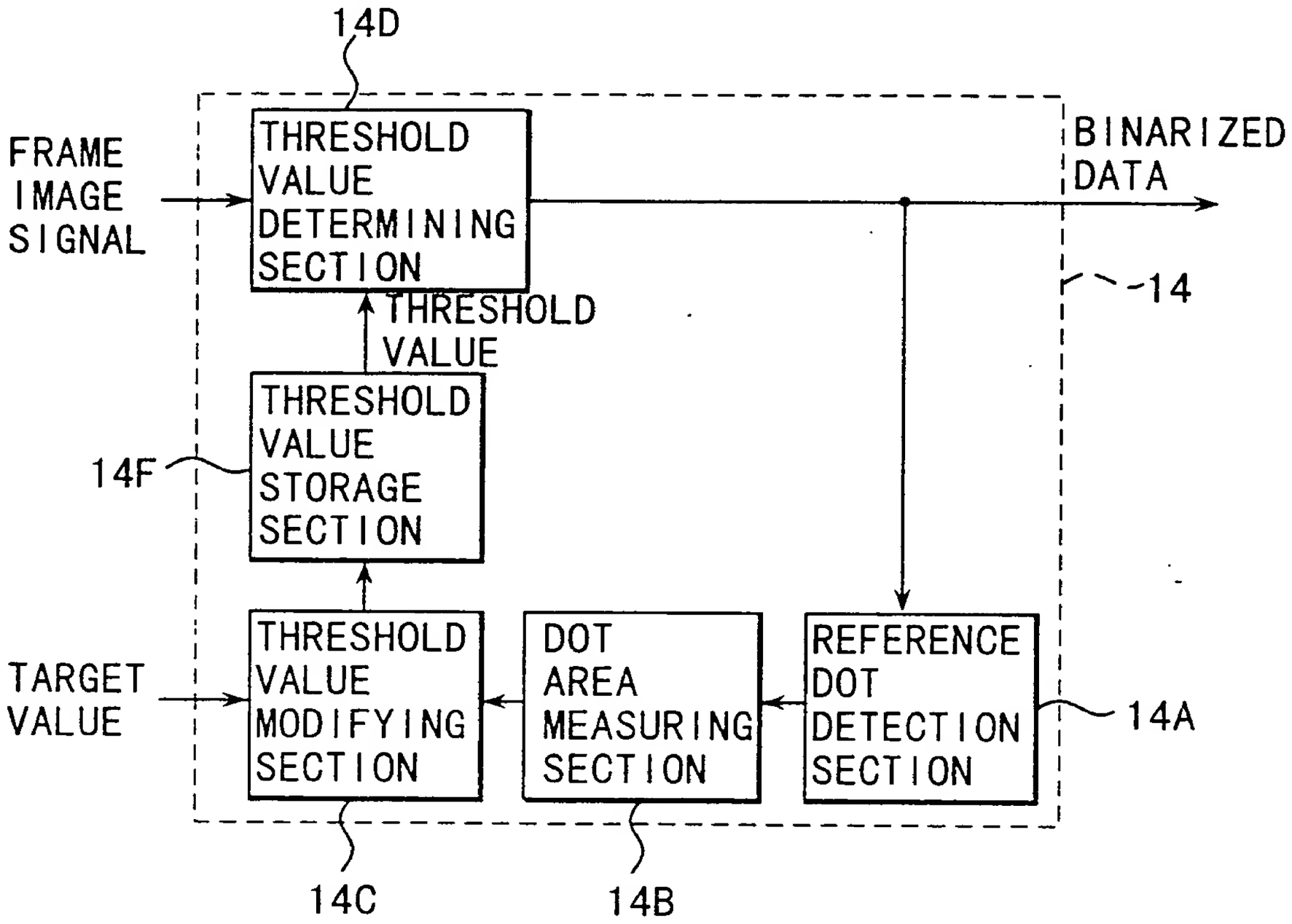


FIG. 9A

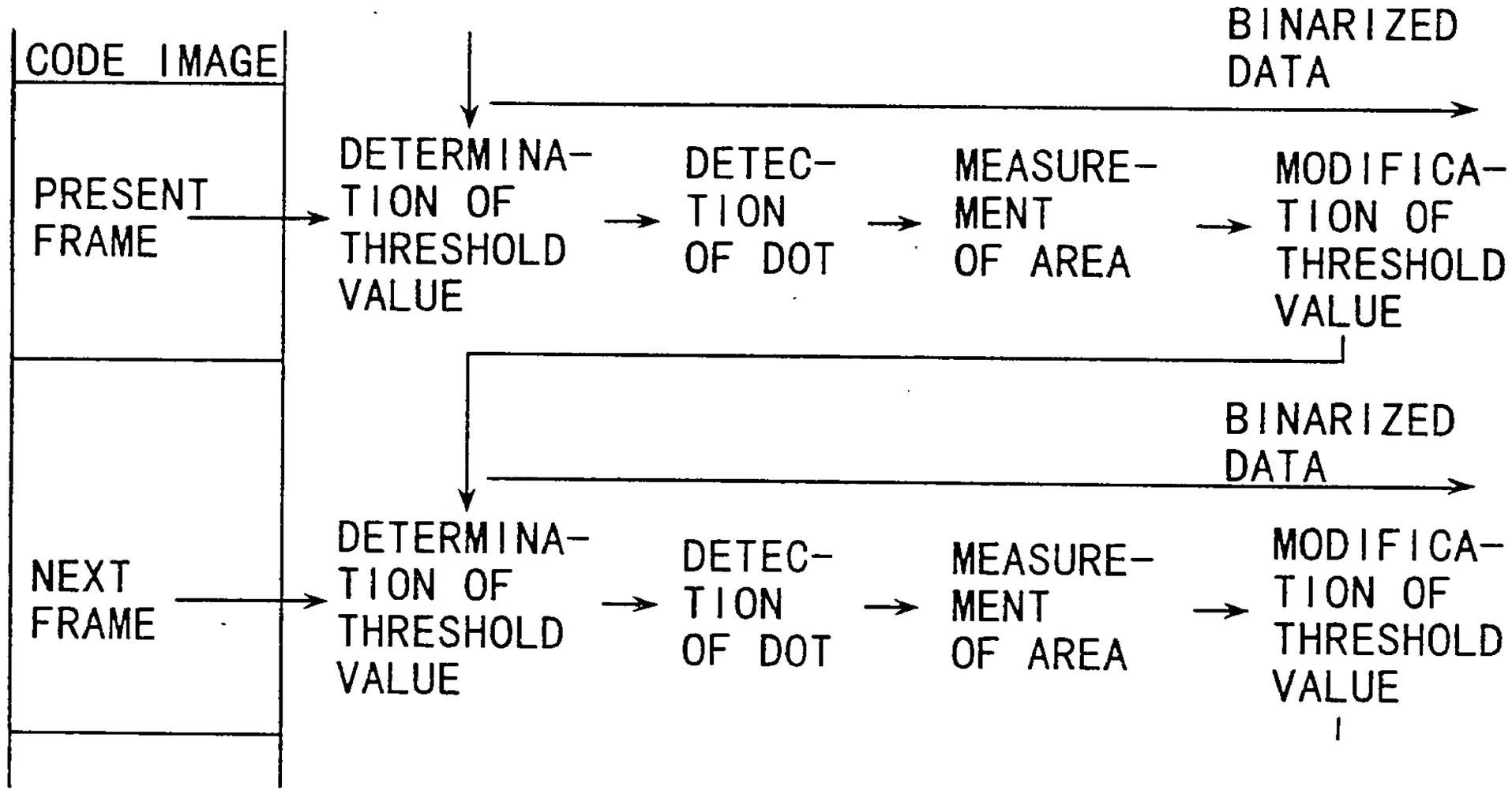


FIG. 9B

FIG. 10A

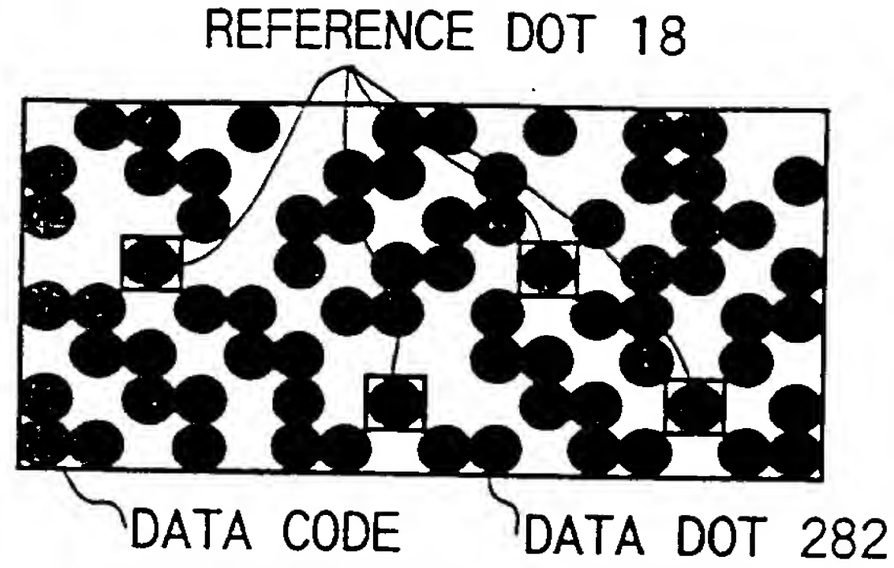


FIG. 10B

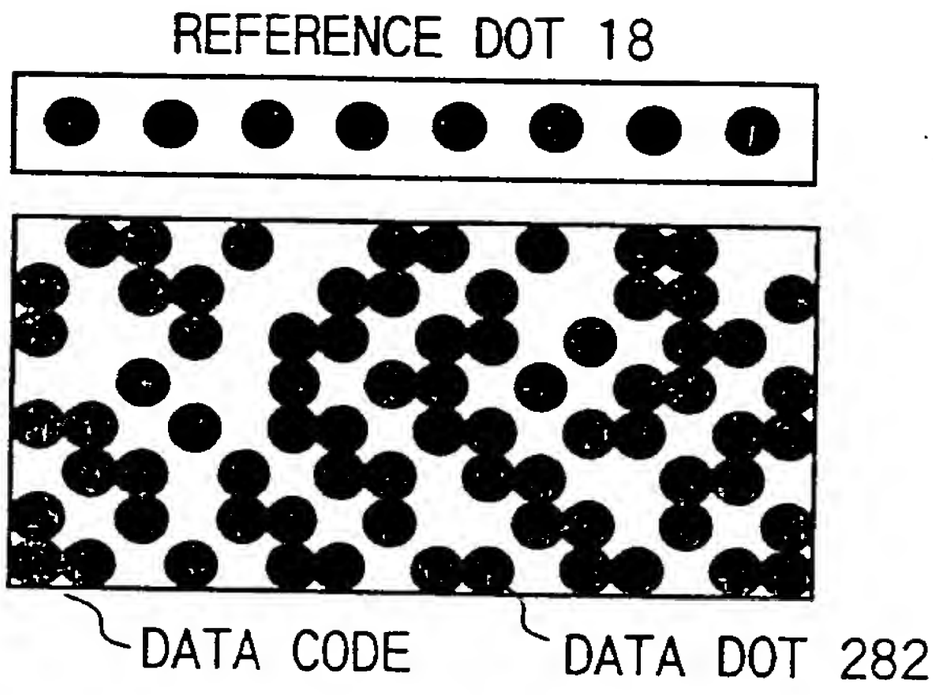


FIG. 11A

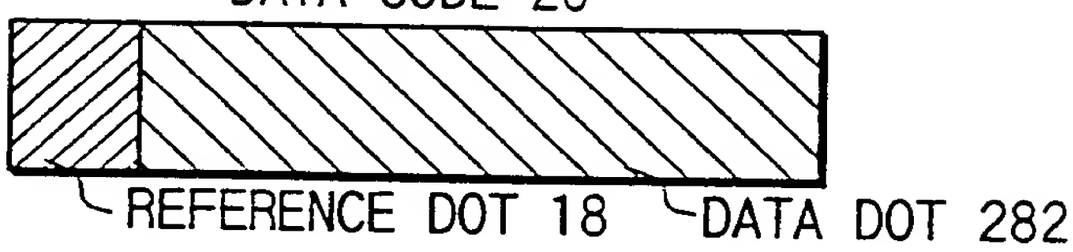


FIG. 11B

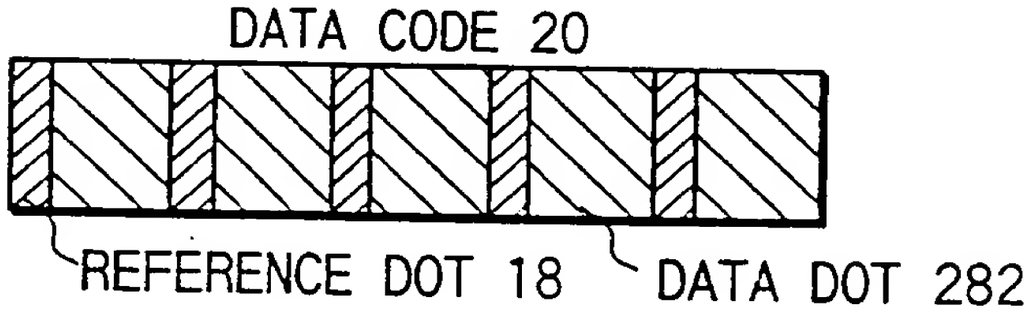
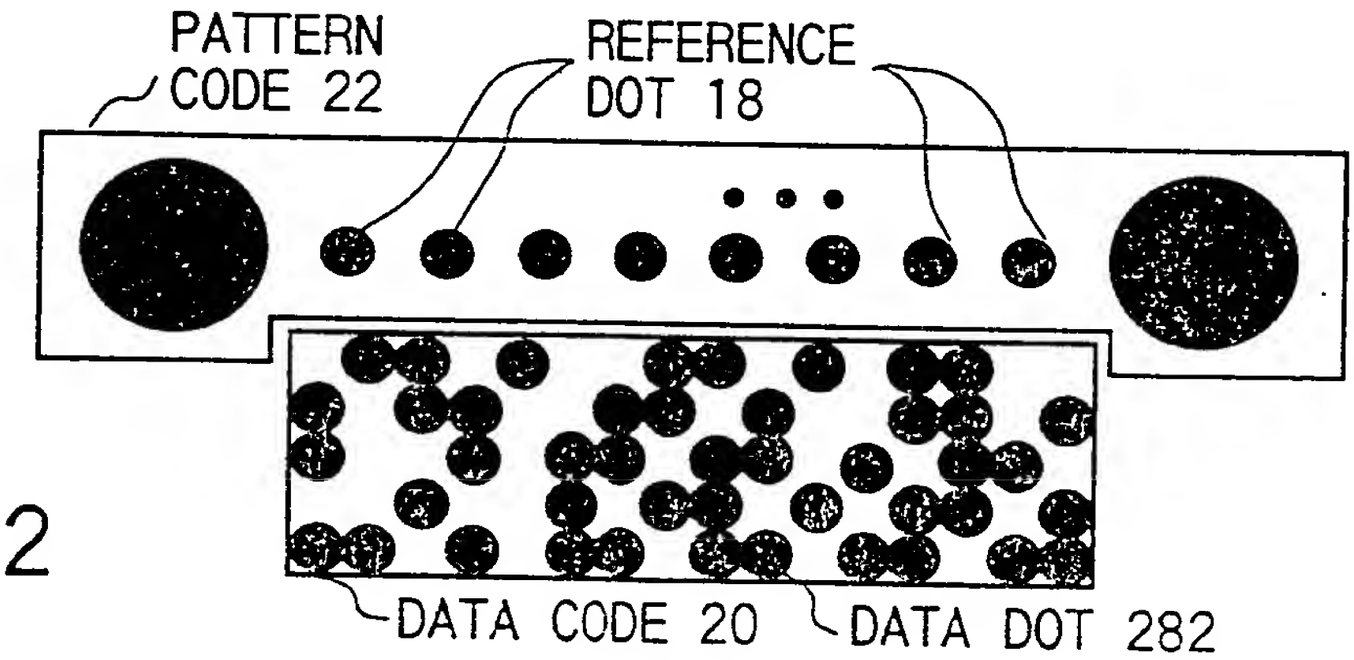


FIG. 12



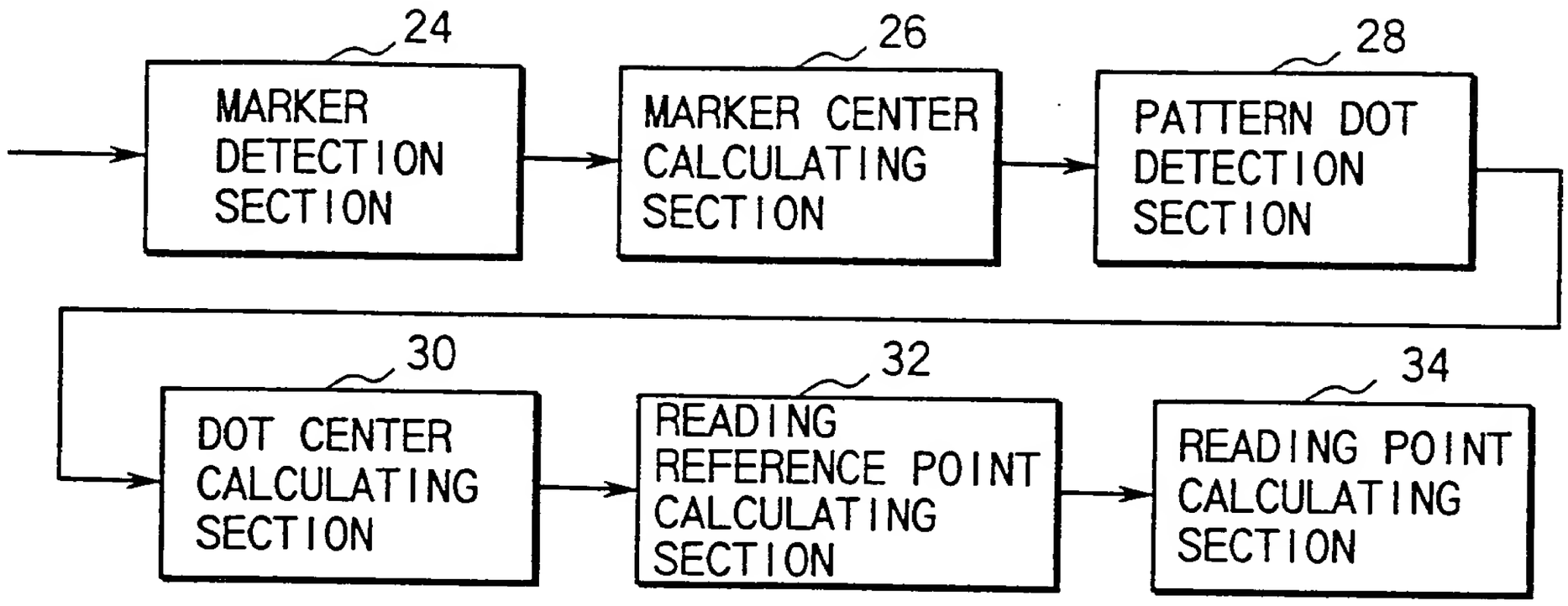


FIG. 13

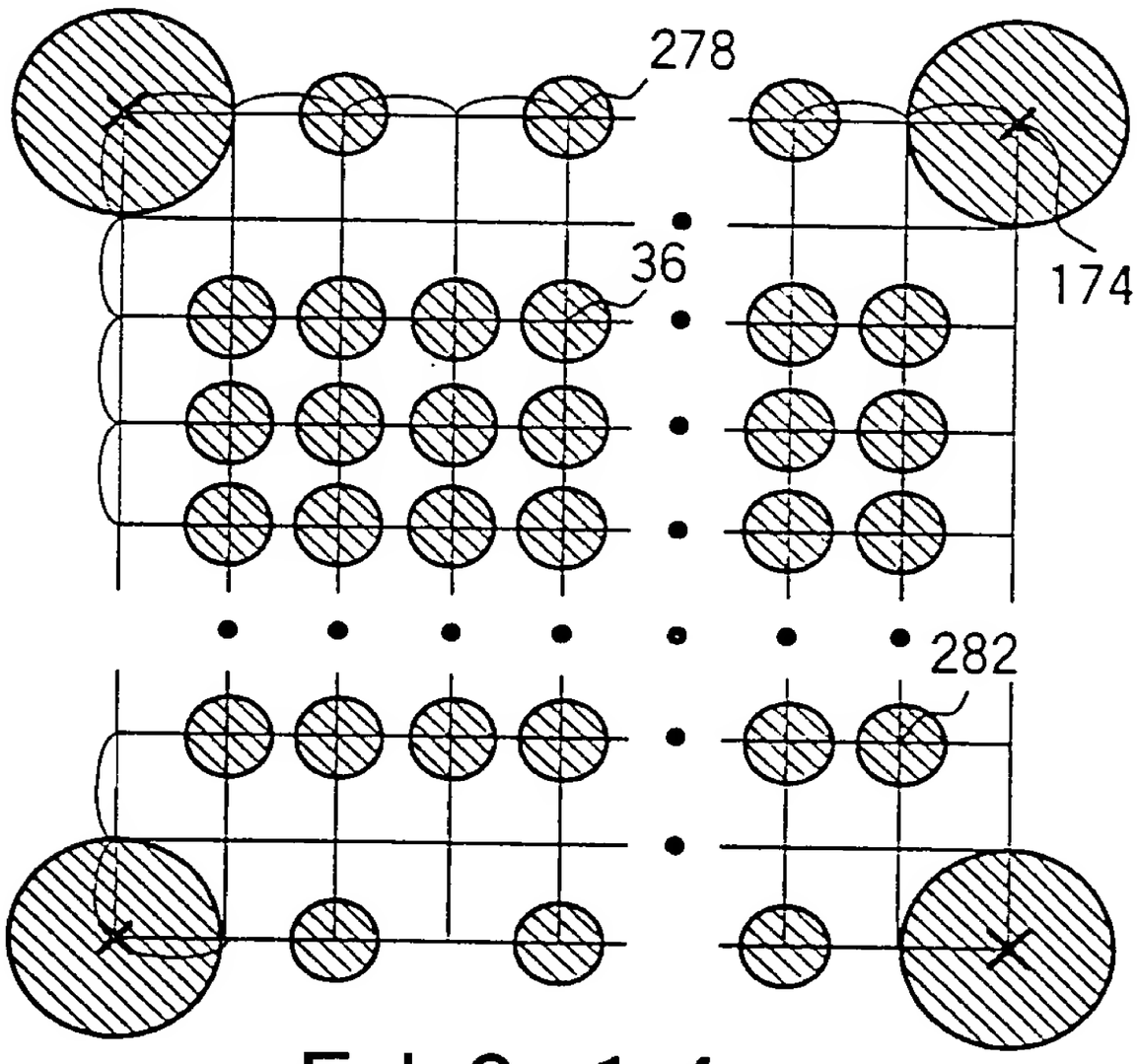


FIG. 14

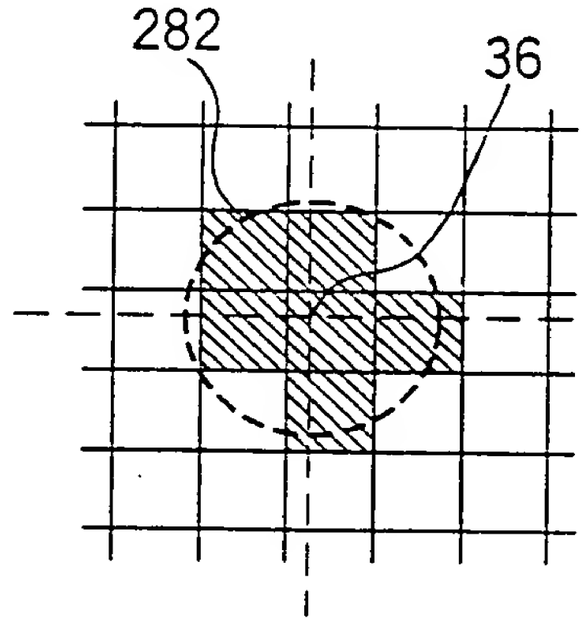
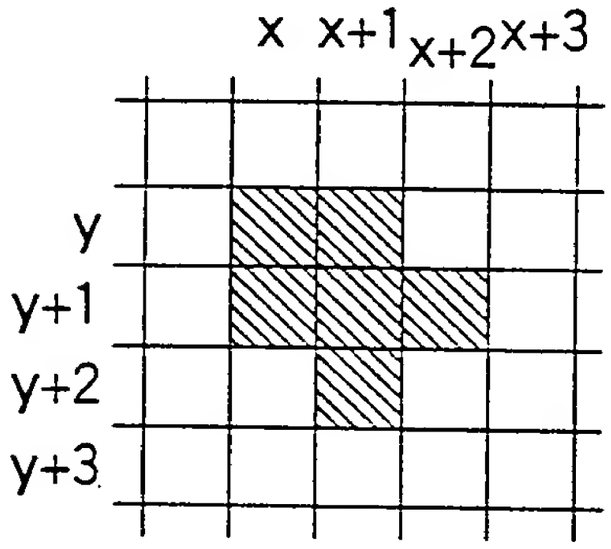


FIG. 15



BLACK PIXEL: $P_1(x, y), P_2(x+1, y), P_3(x, y+1), P_4(x+1, y+1), P_5(x+2, y+1), P_6(x+1, y+2)$

AREA (=TOTAL SUM OF BLACK PIXELS): 6

CENTROID: $C = \frac{1}{6} \sum_{n=1}^{6} P_1 = (x + \frac{5}{6}, y + \frac{5}{6})$

FIG. 16

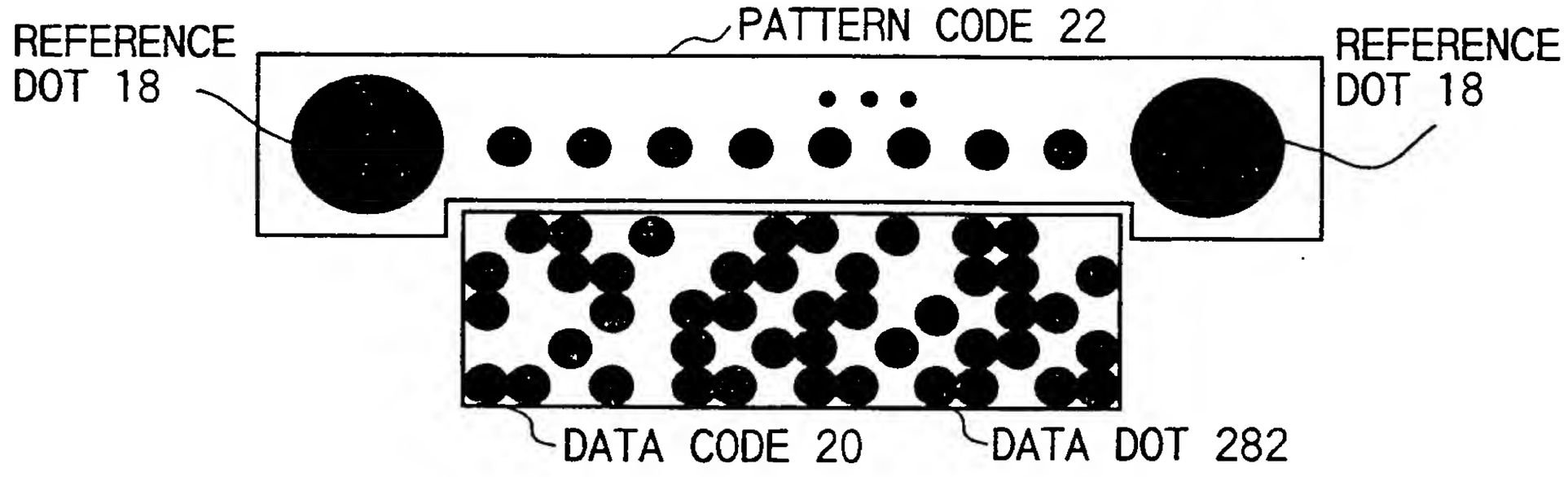


FIG. 17

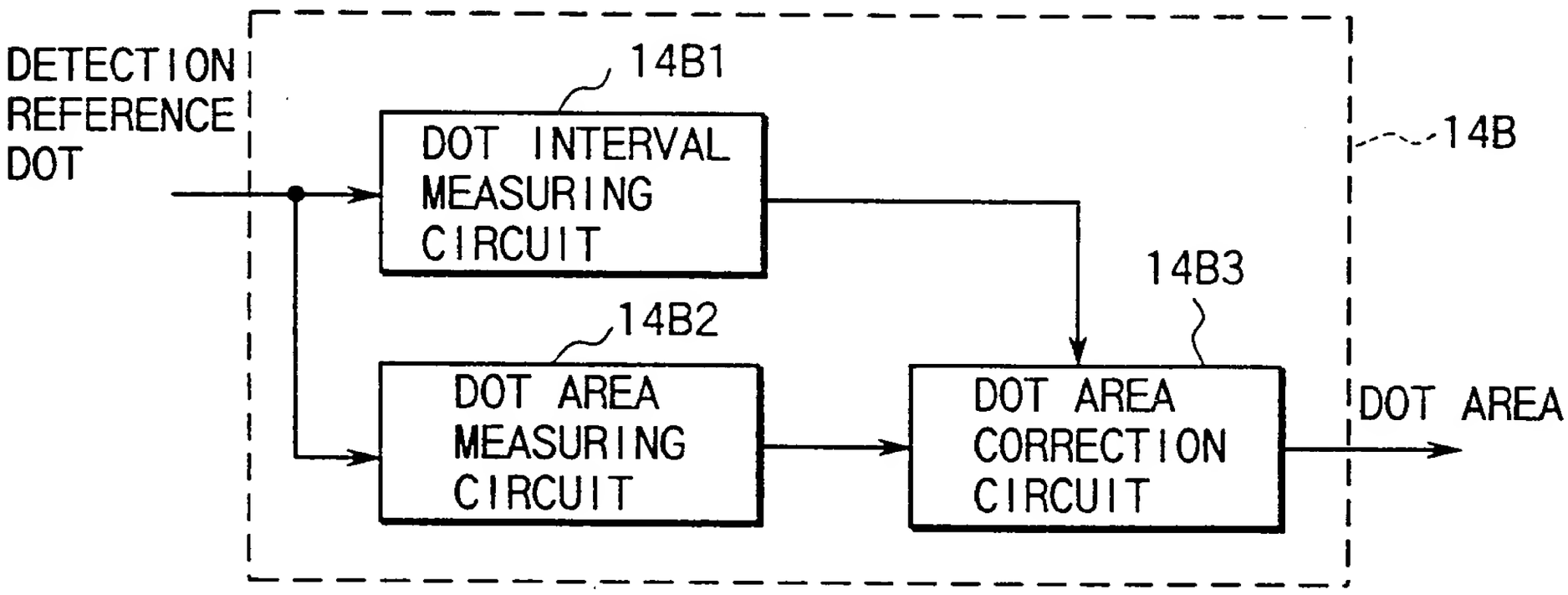
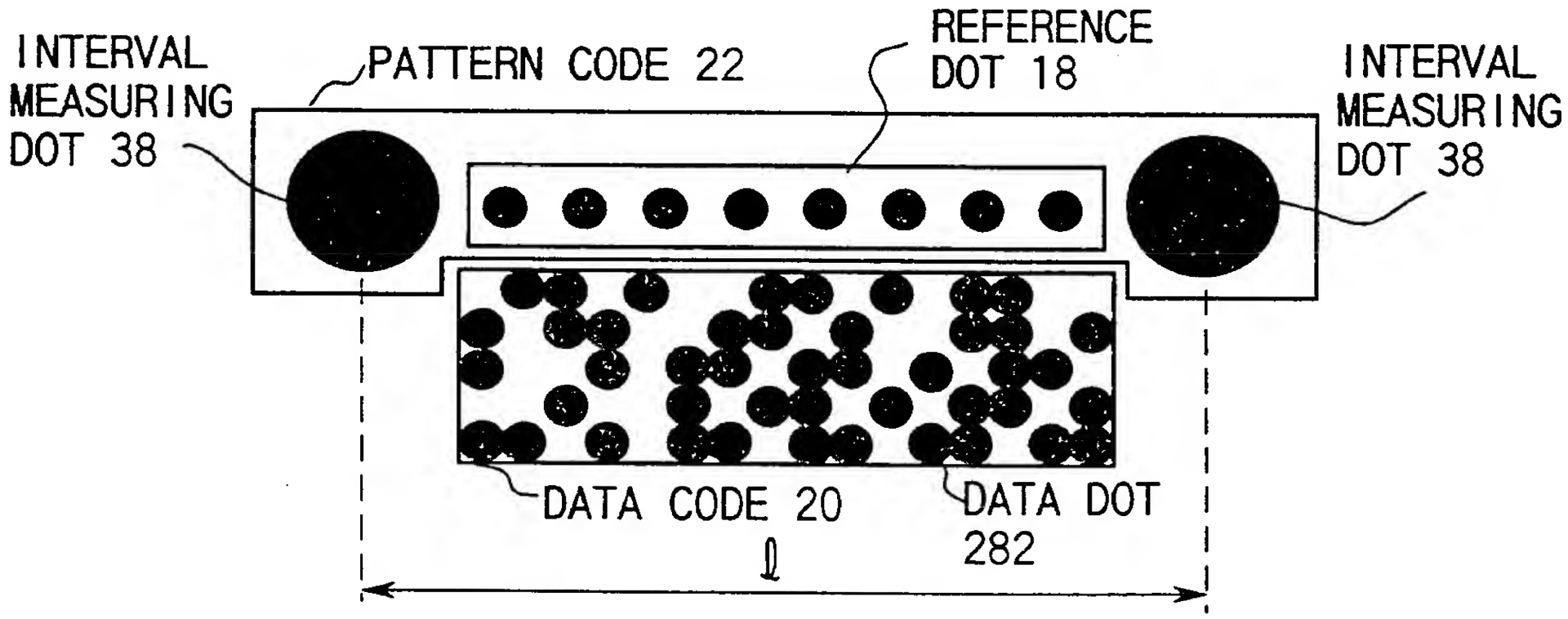


FIG. 18



$S' = (\frac{\ell}{L})^2 S$ S:AREA BEFORE CORRECTION ℓ:DOT INTERVAL
S':AREA AFTER CORRECTION L:REFERENCE DOT INTERVAL

FIG. 19

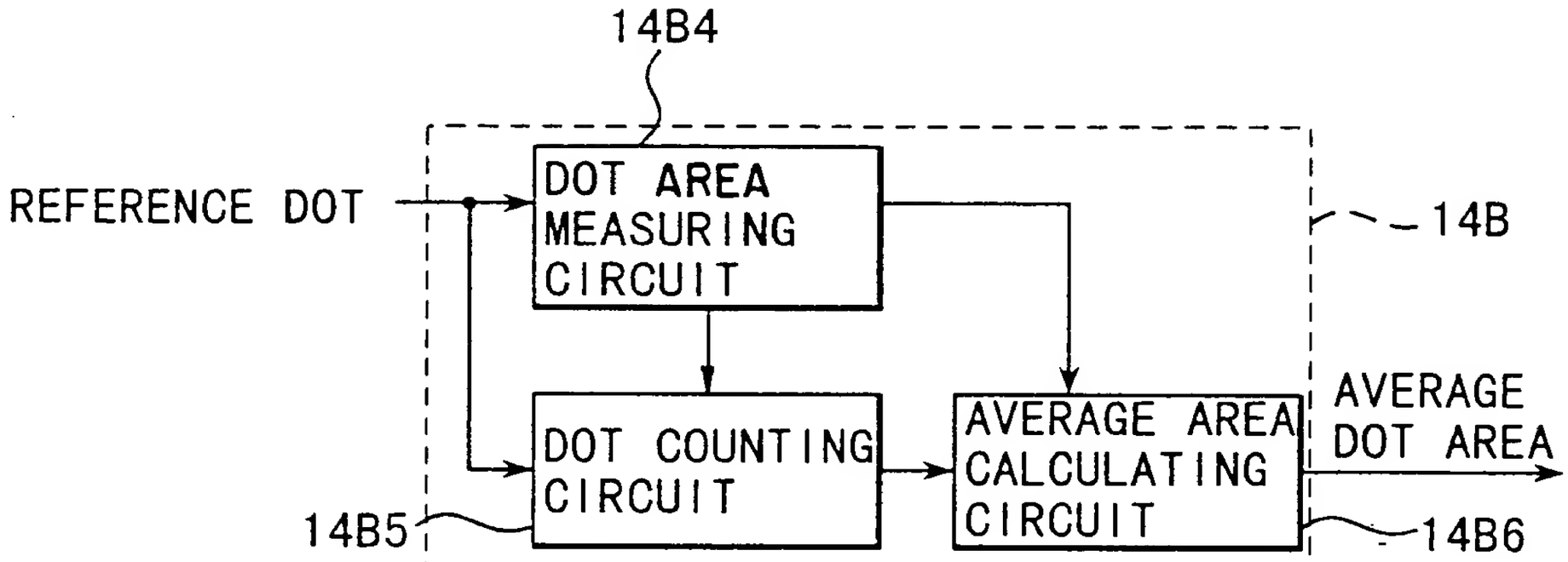


FIG. 20

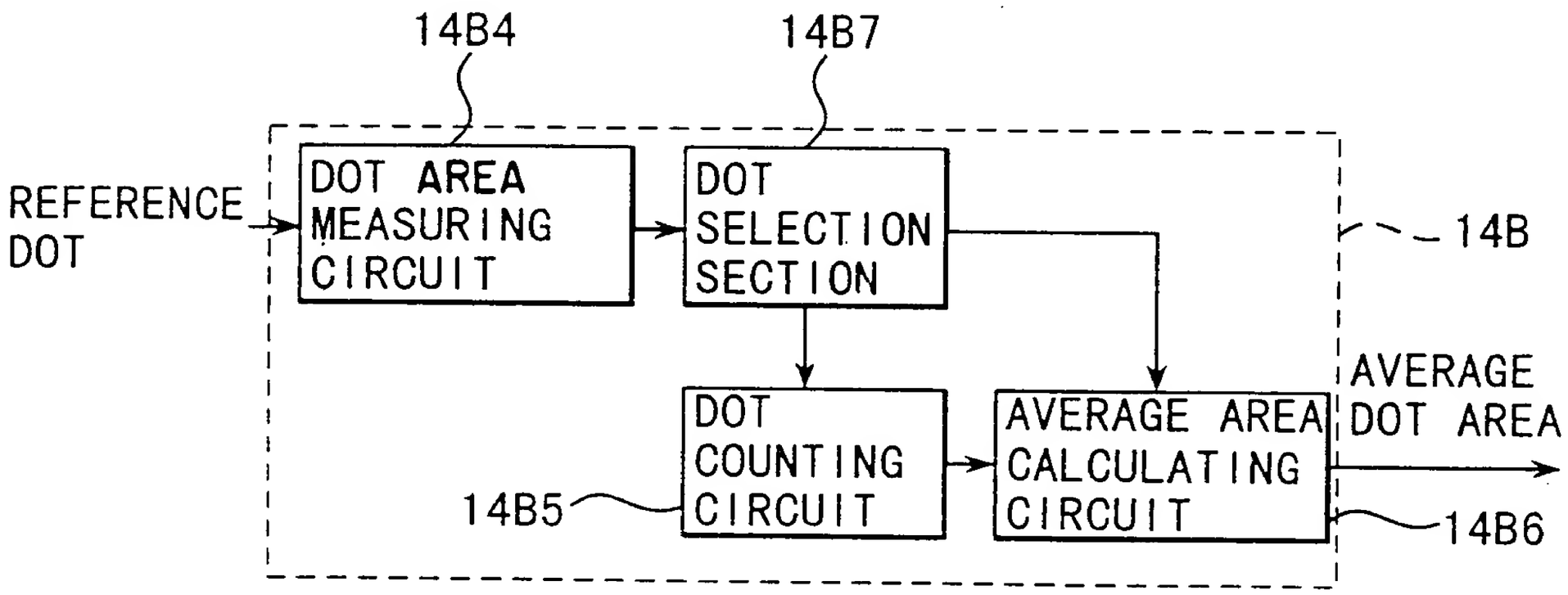


FIG. 21

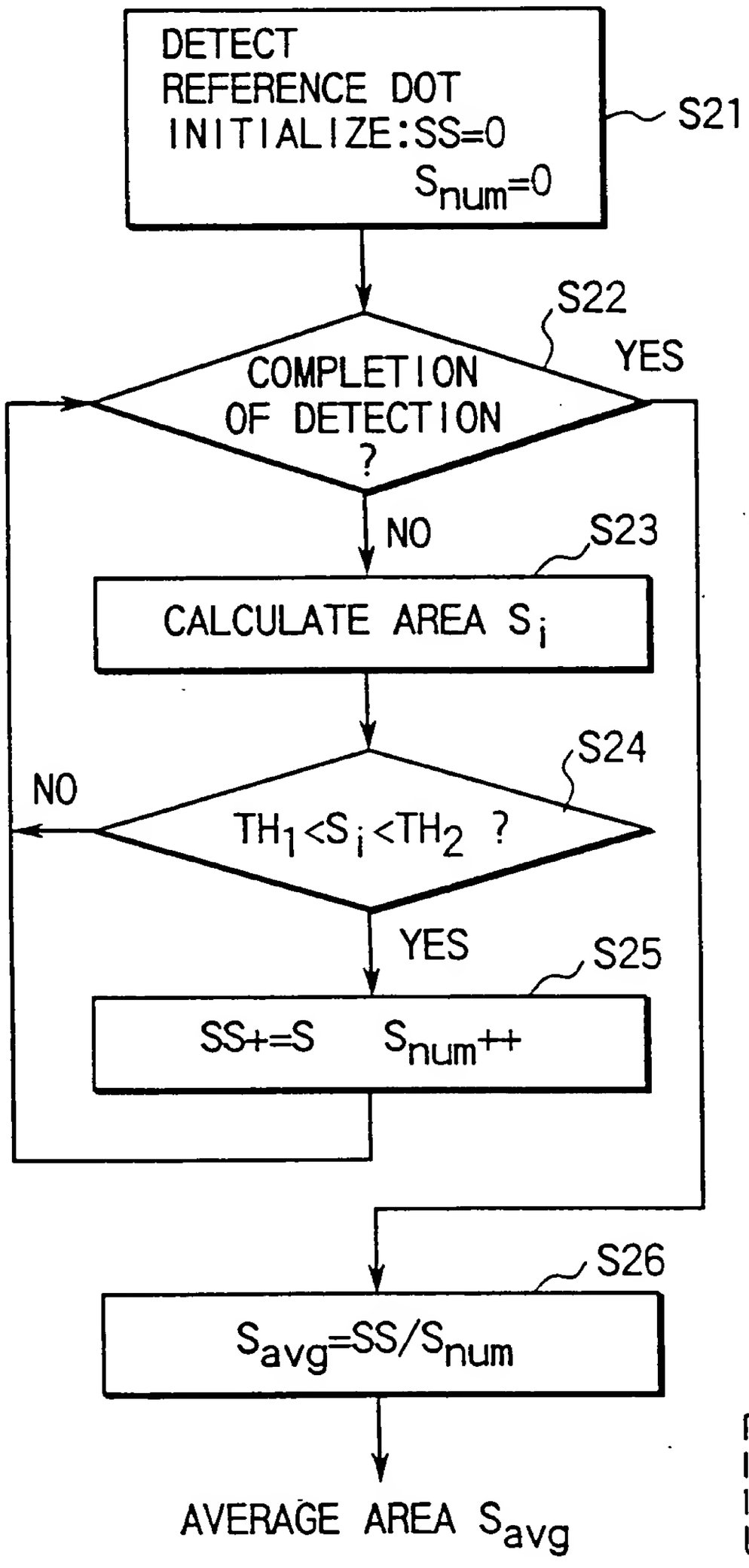


FIG. 22

FIG. 23C

FIG. 23A

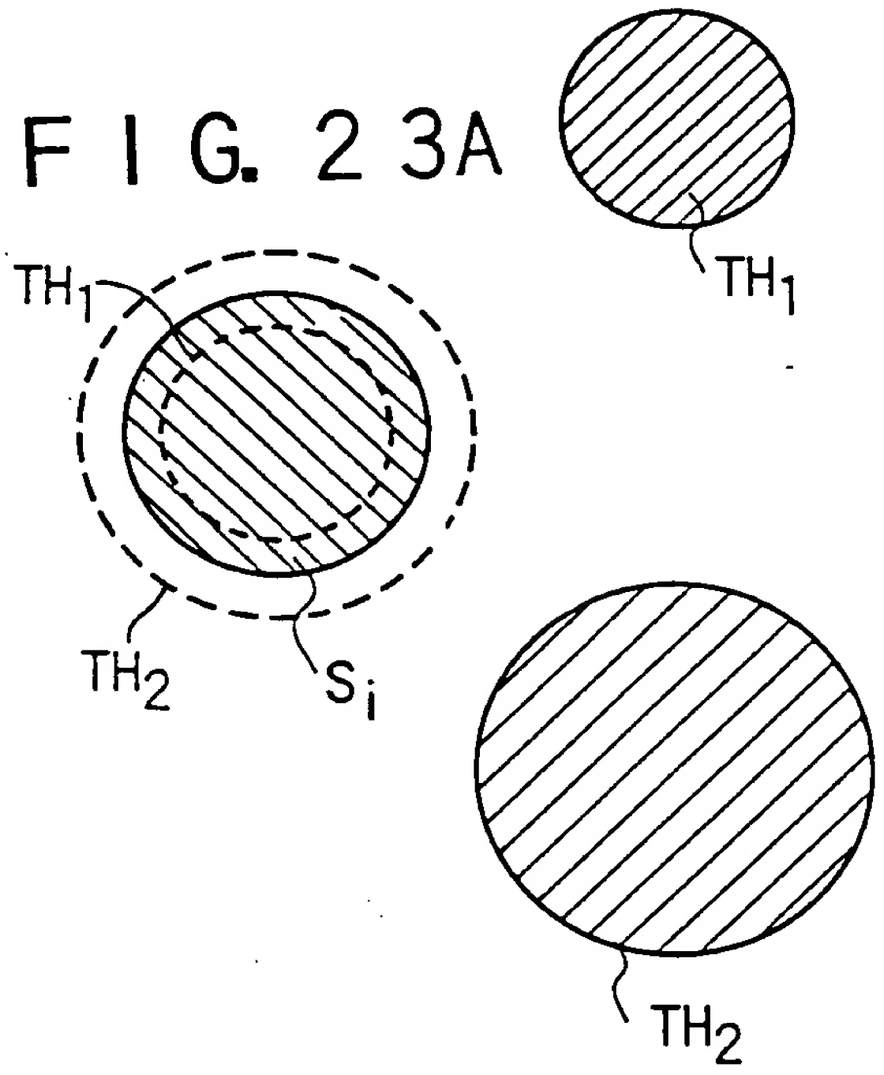


FIG. 23B

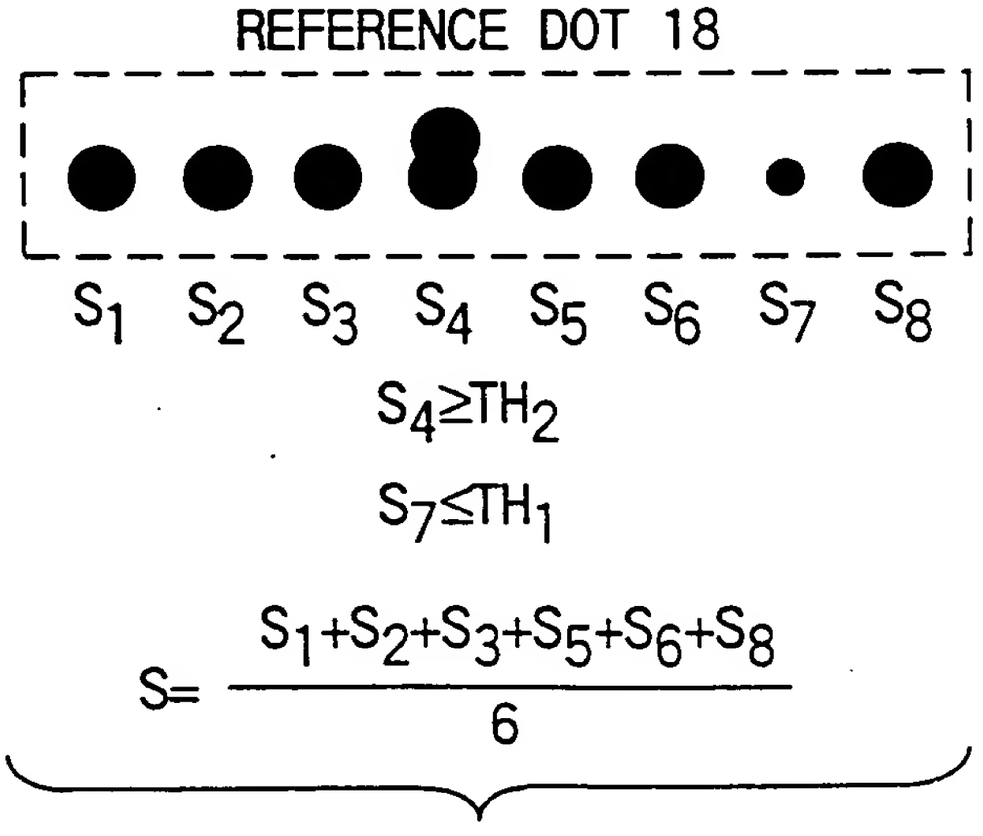


FIG. 24

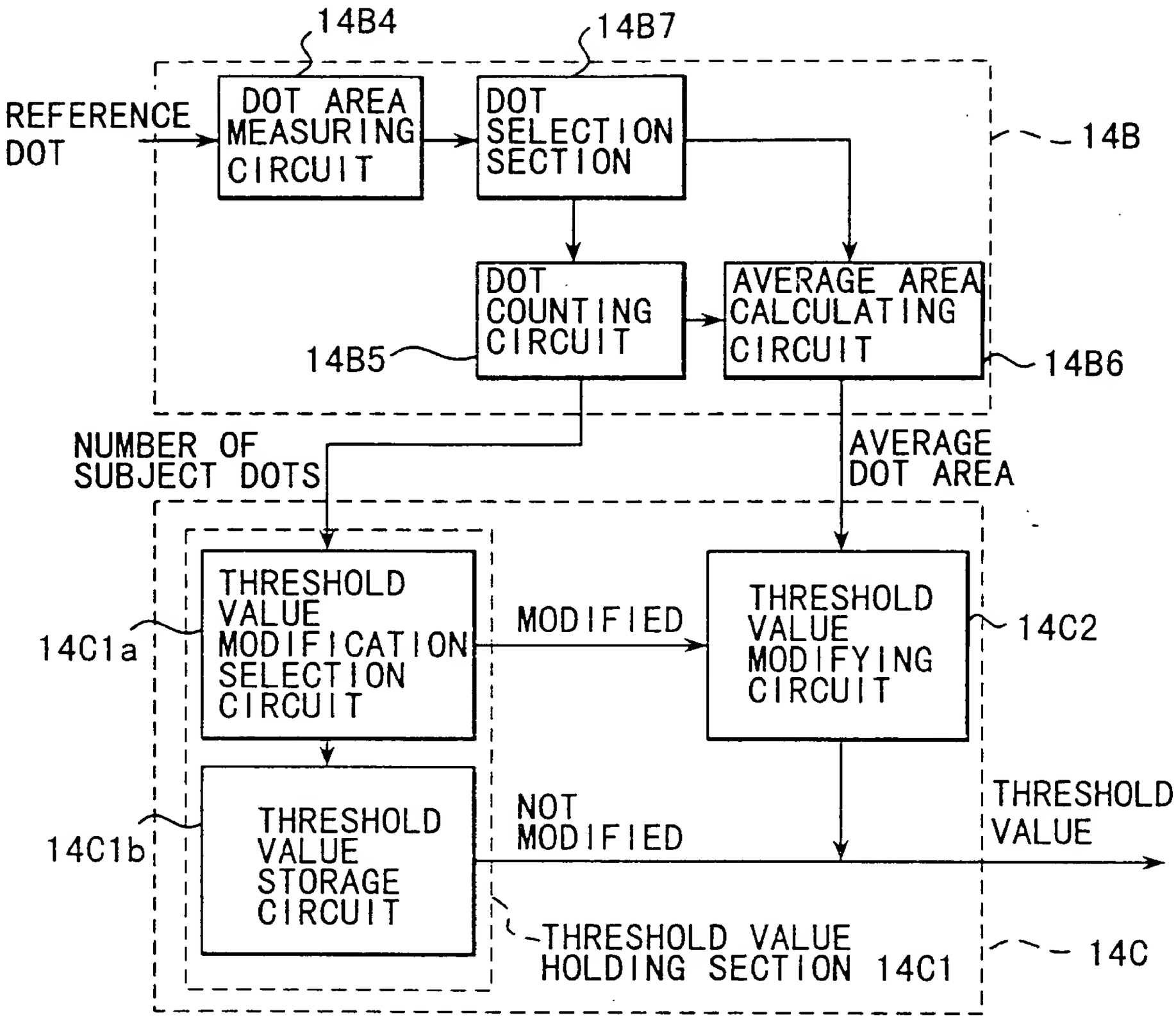


FIG. 25

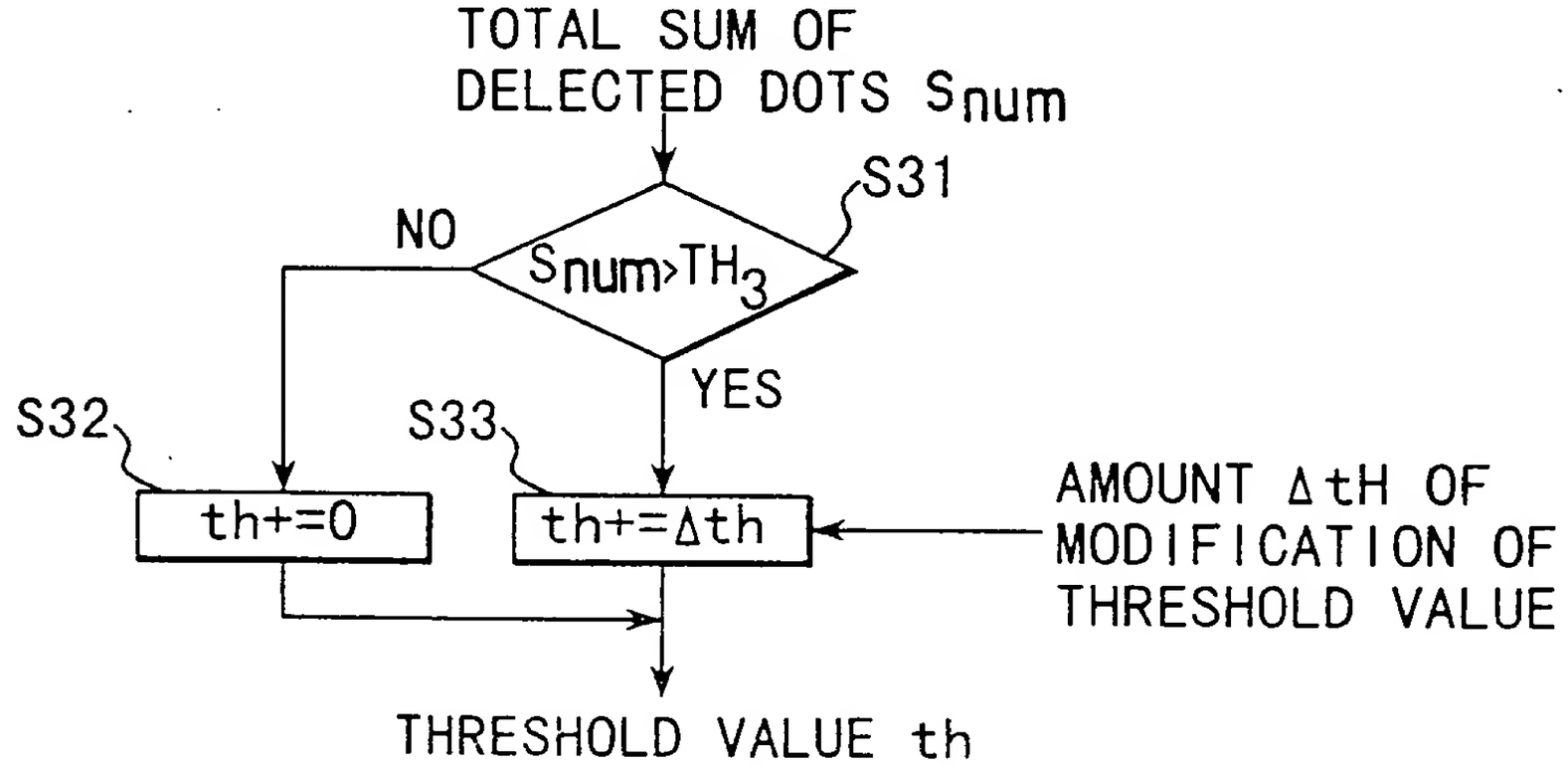


FIG. 26

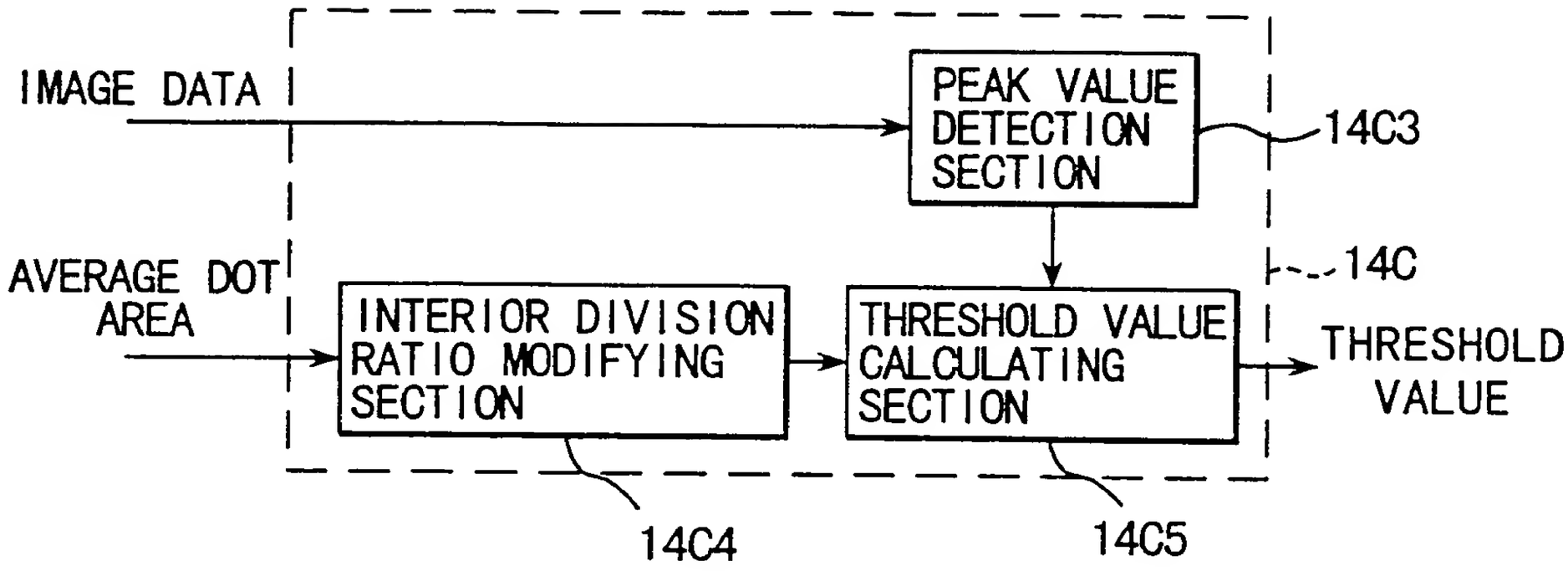


FIG. 27

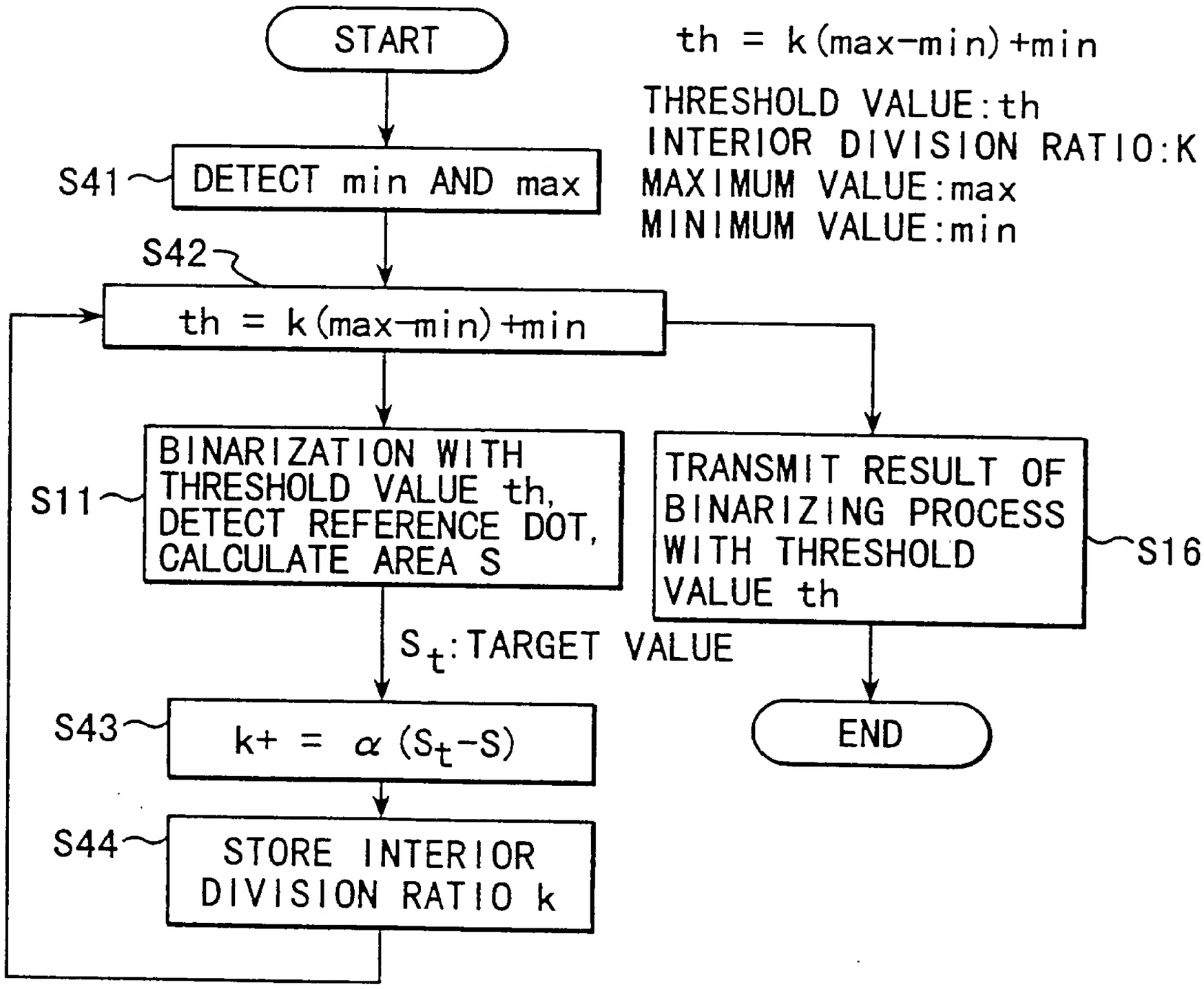


FIG. 28

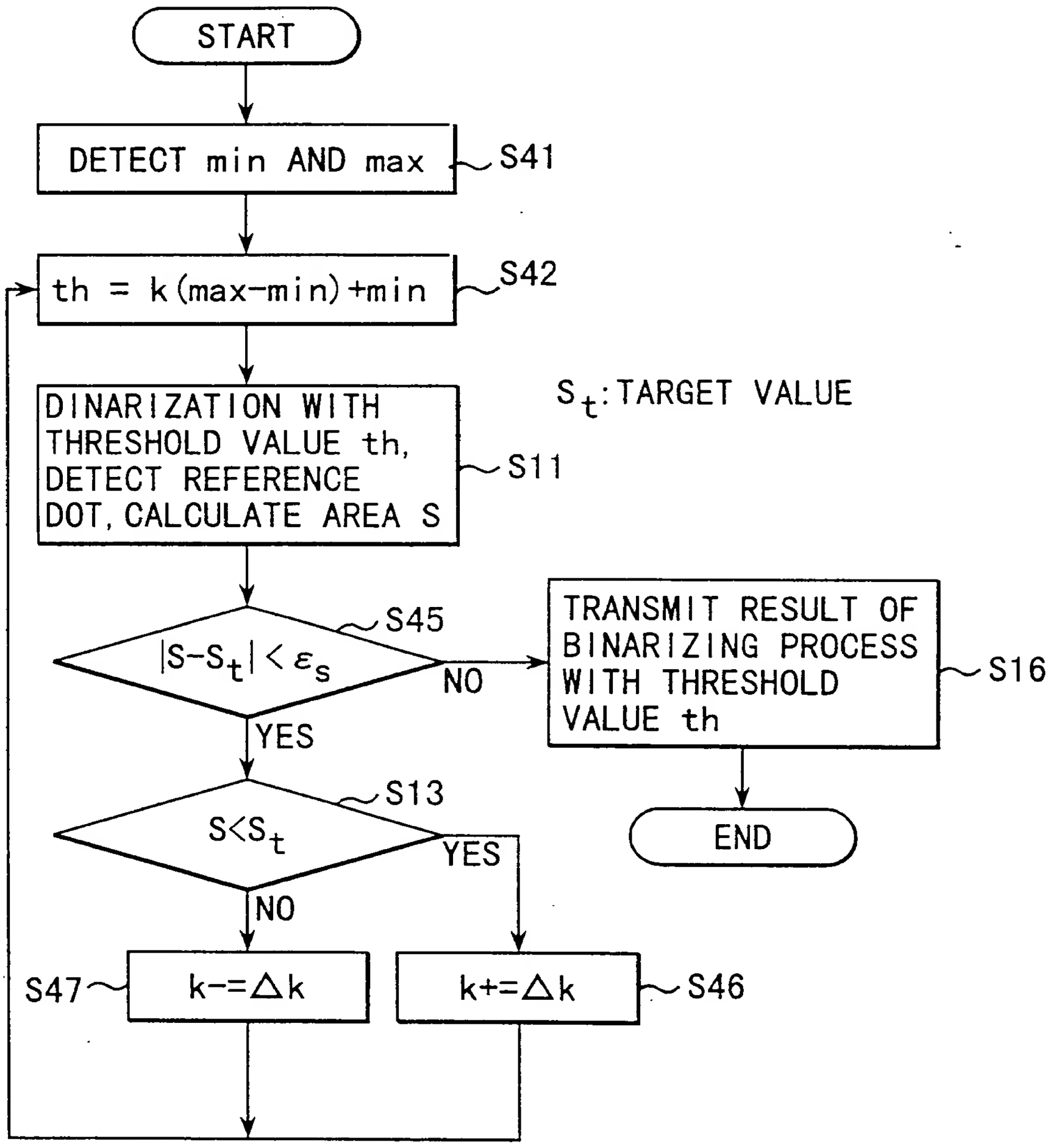


FIG. 29

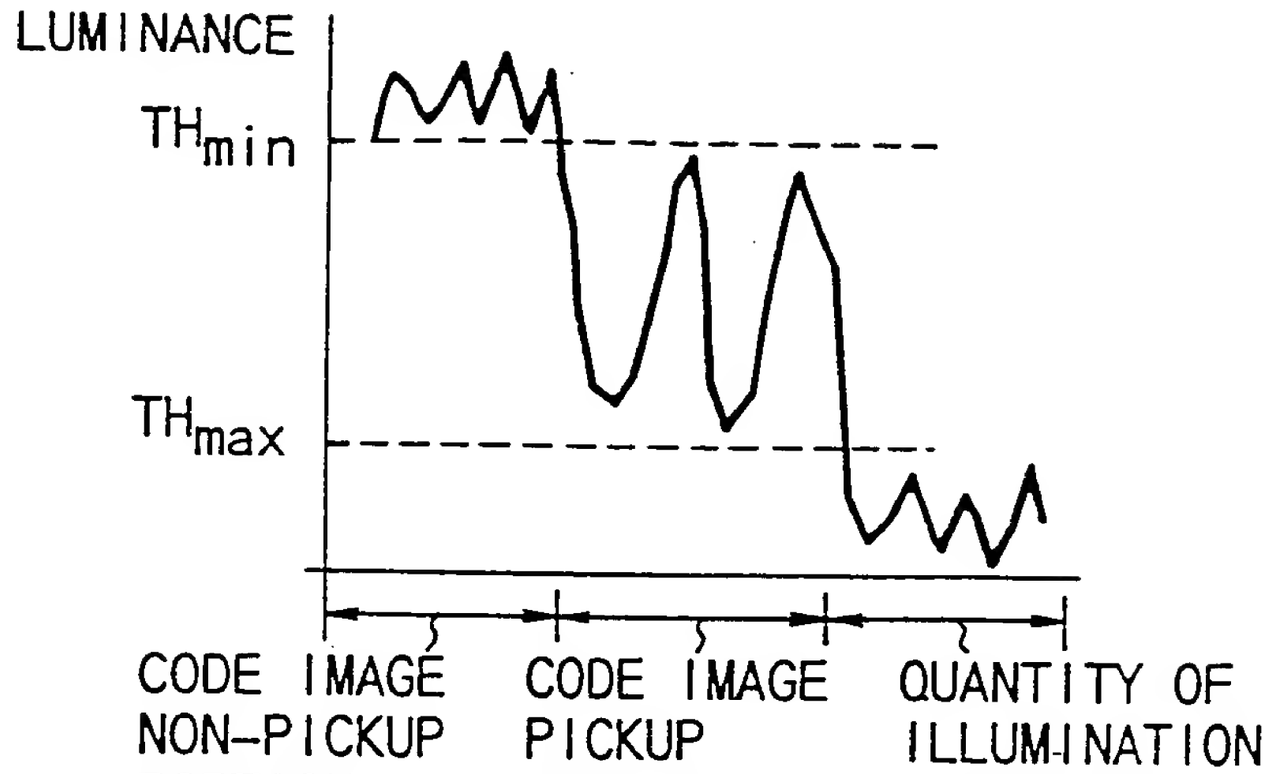


FIG. 30

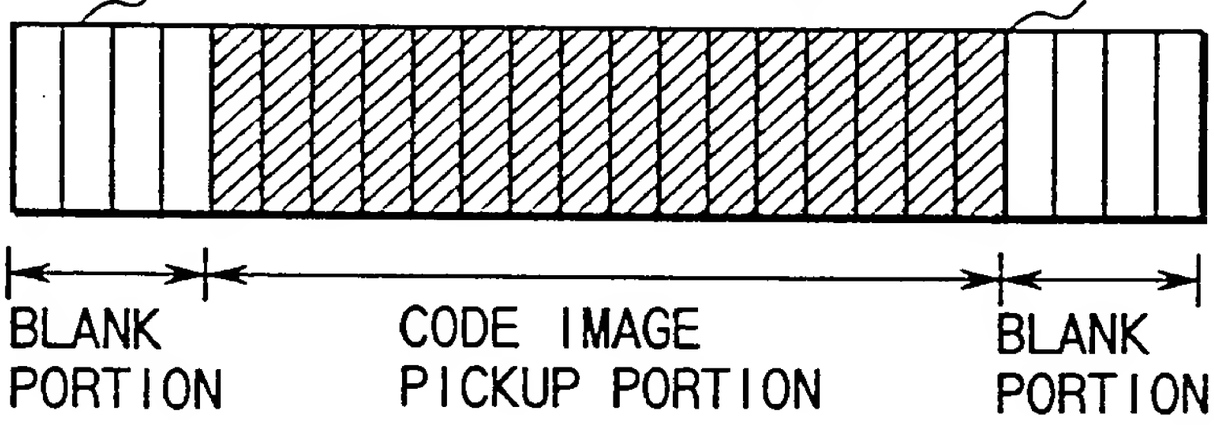


FIG. 31

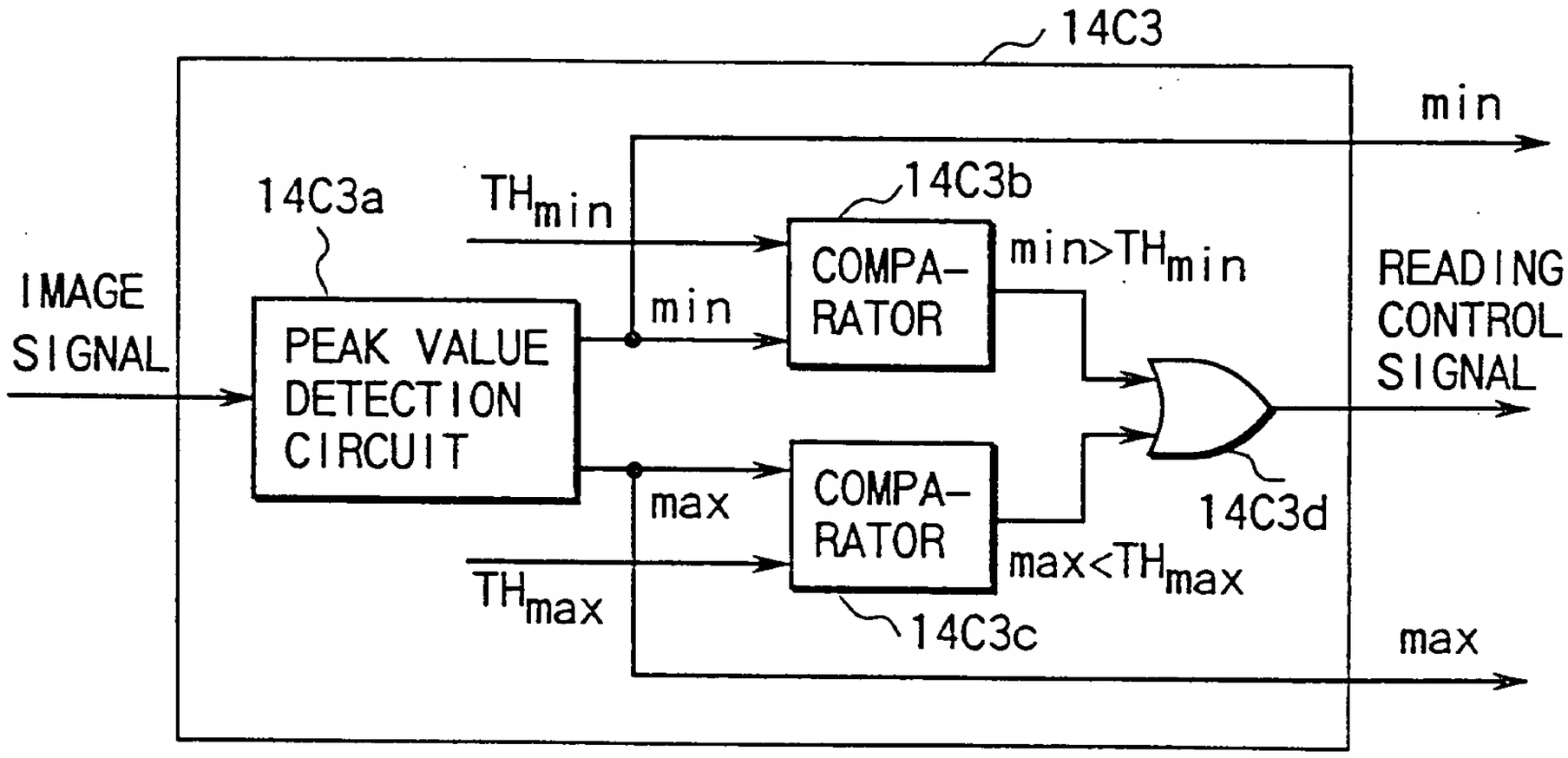


FIG. 32

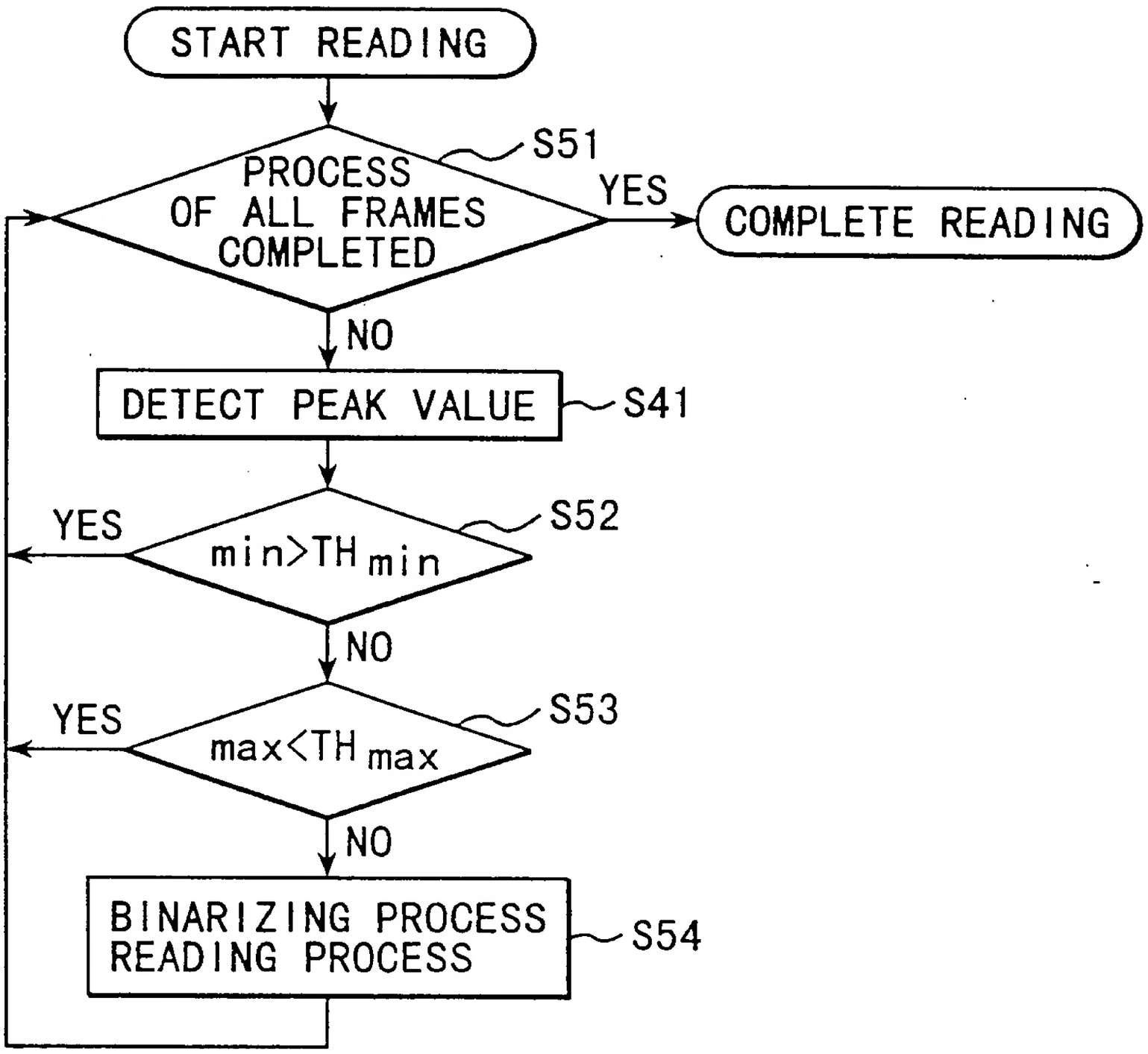


FIG. 33

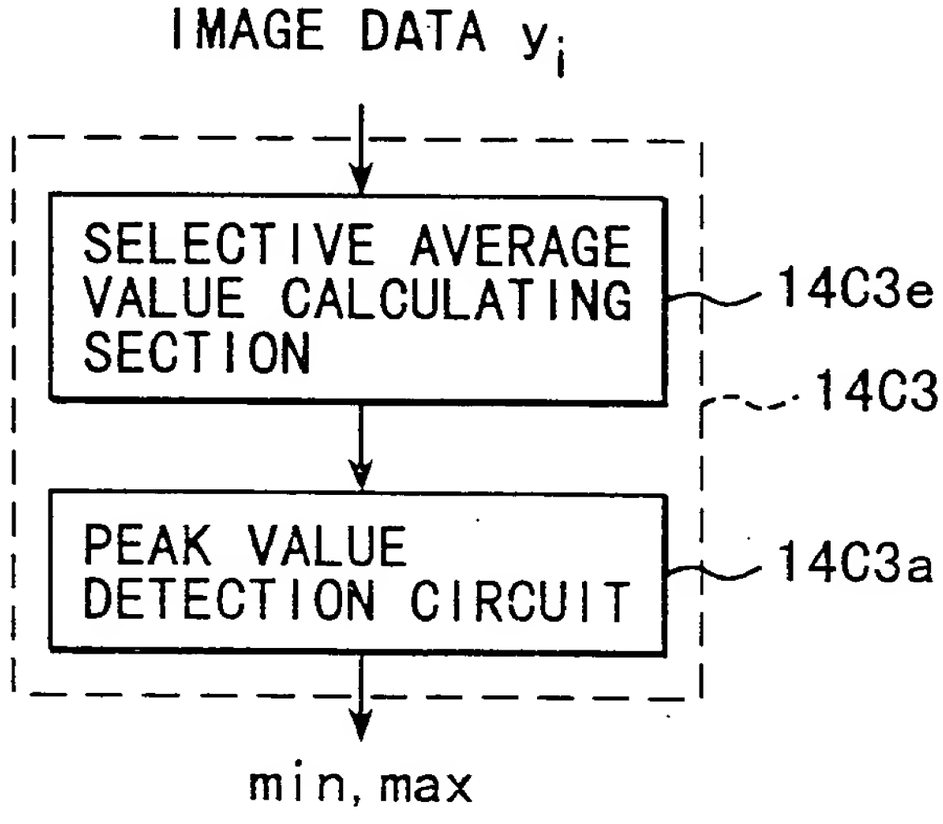


FIG. 34

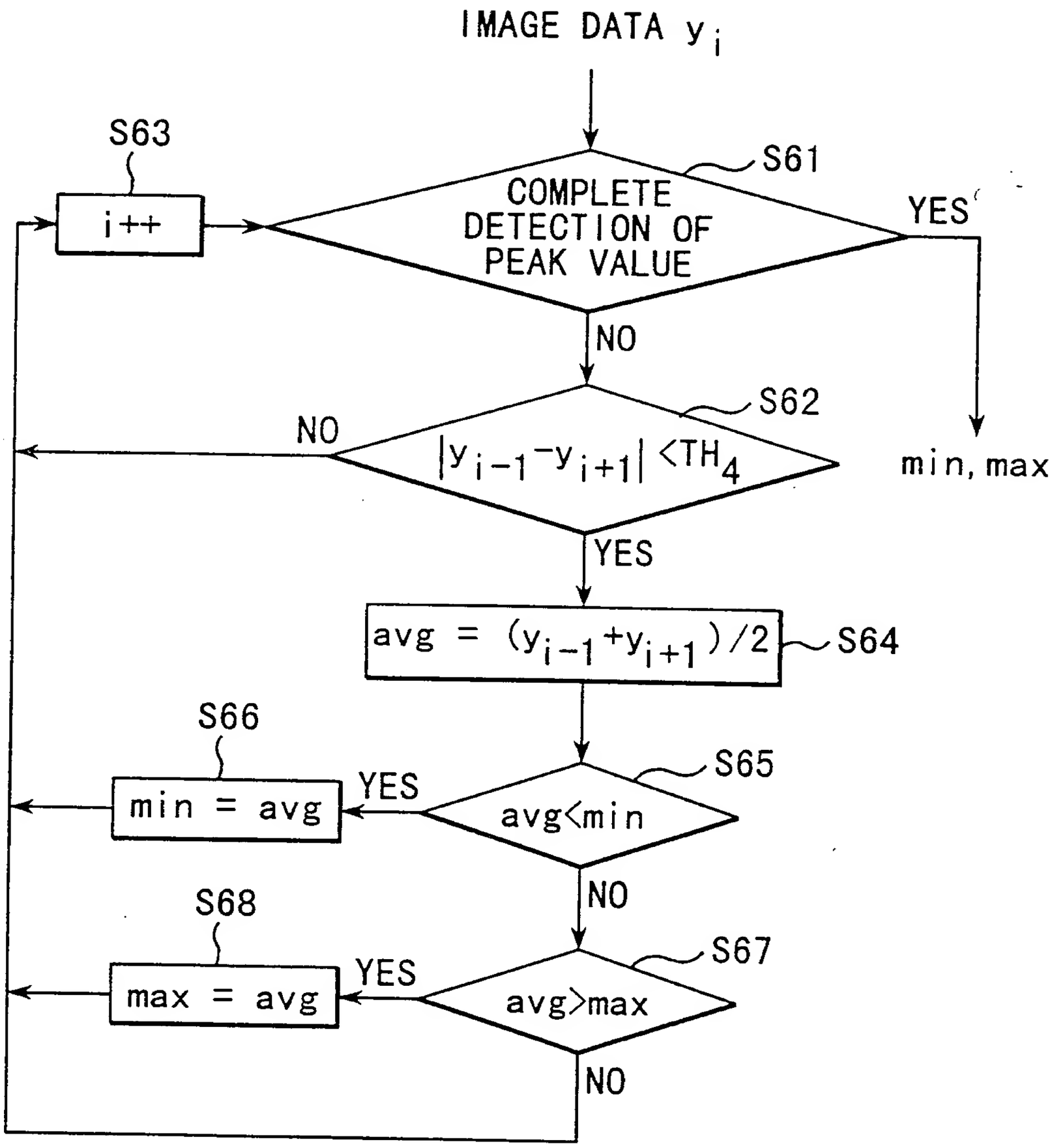


FIG. 35

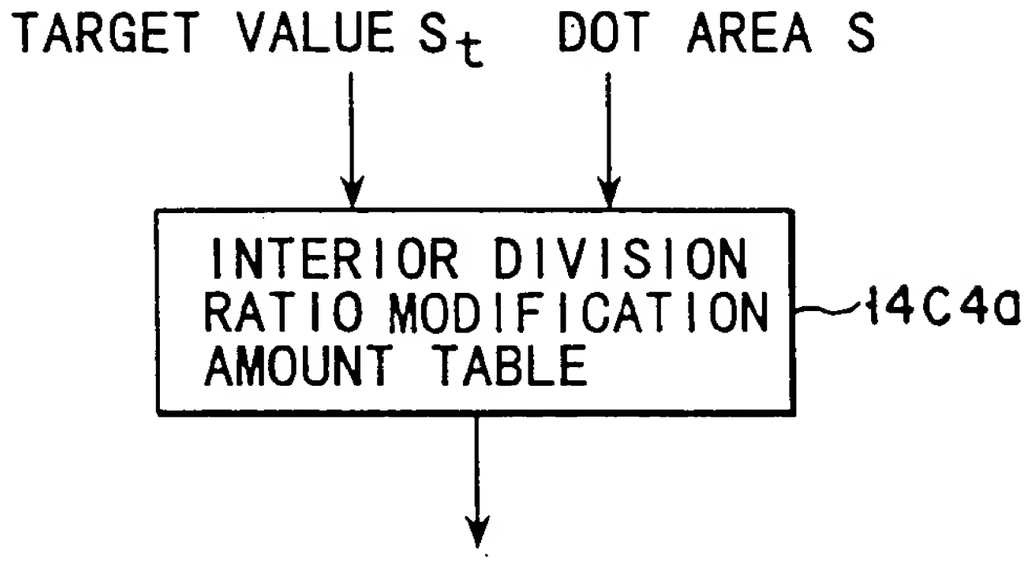


FIG. 36A

INTERIOR DIVISION RATIO MODIFICATION AMOUNT TABLE 14C4a

S_t \ S	6.0	6.5	7.0	7.5	8.0	8.5
6.0		-0.06	-0.13	-0.20	-0.28	-0.37
6.5	0.05		-0.07	-0.14	-0.21	-0.29
7.0	0.11	0.06		-0.08	-0.15	-0.22
7.5	0.17	0.12	0.07		-0.09	-0.16
8.0	0.24	0.18	0.13	0.08		-0.10
8.5	0.32	0.25	0.19	0.14	0.09	

IF MEASURED DOT AREA IS 7.0 AND TARGET VALUE IS 8.0, THE AMOUNT OF MODIFICATION OF INFERIOR DIVISION RATIO IS $\Delta k = 0.13$ IN ACCORDANCE WITH THE TABLE

FIG. 36B

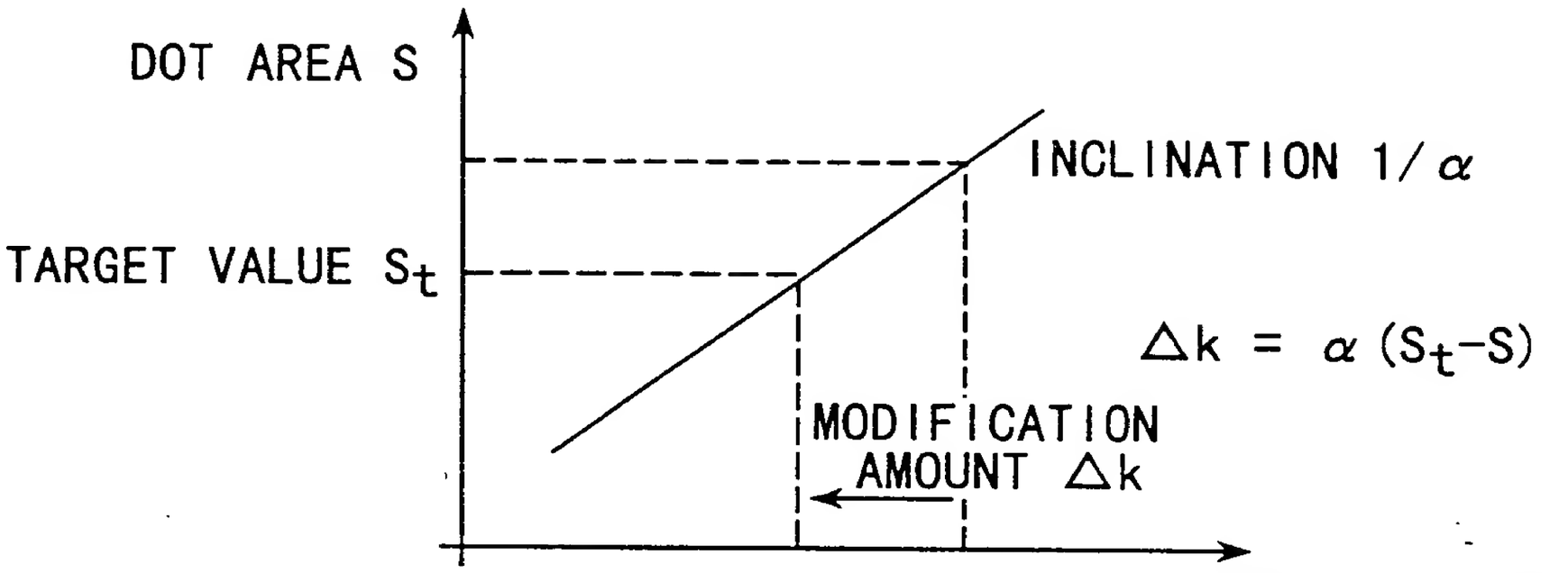


FIG. 37

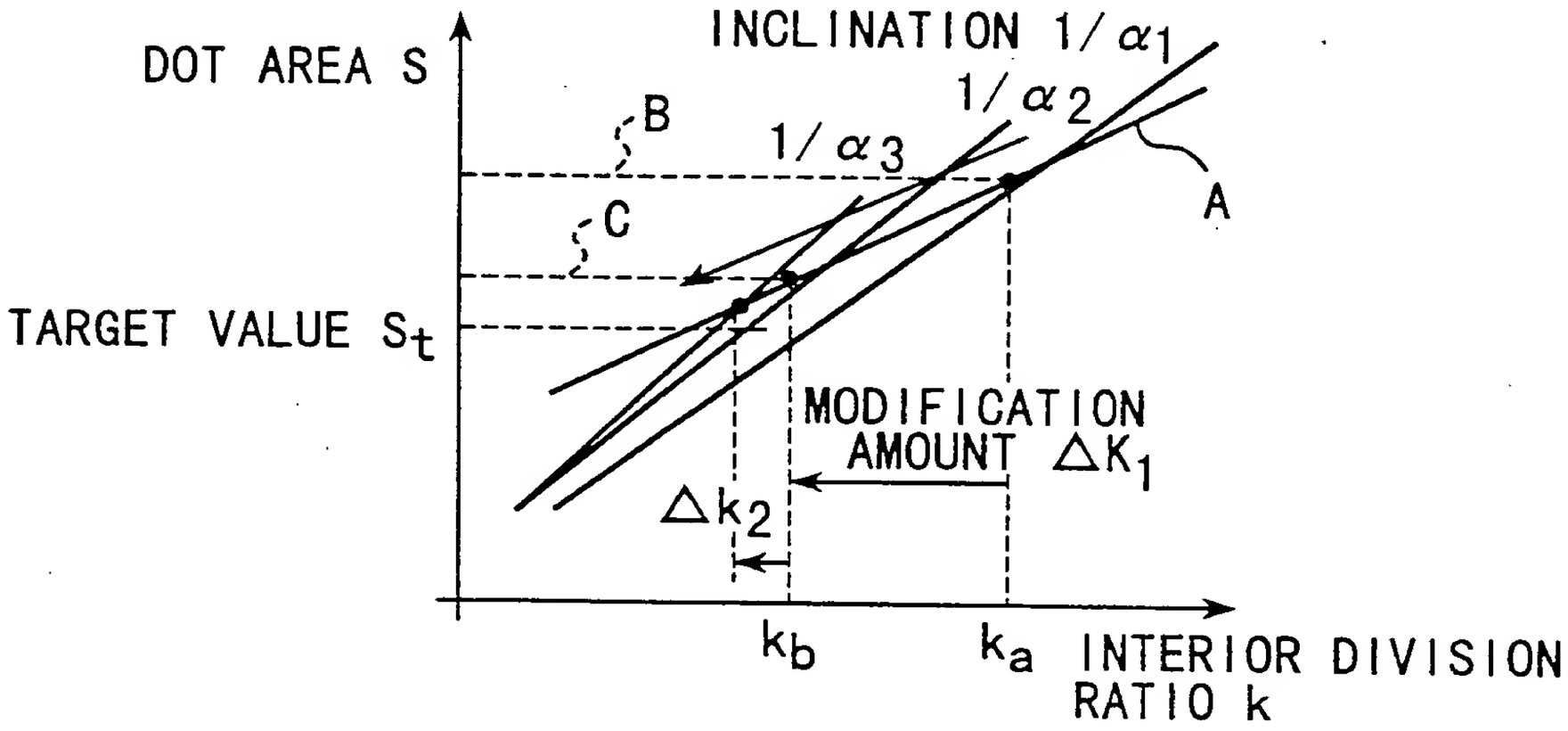


FIG. 38

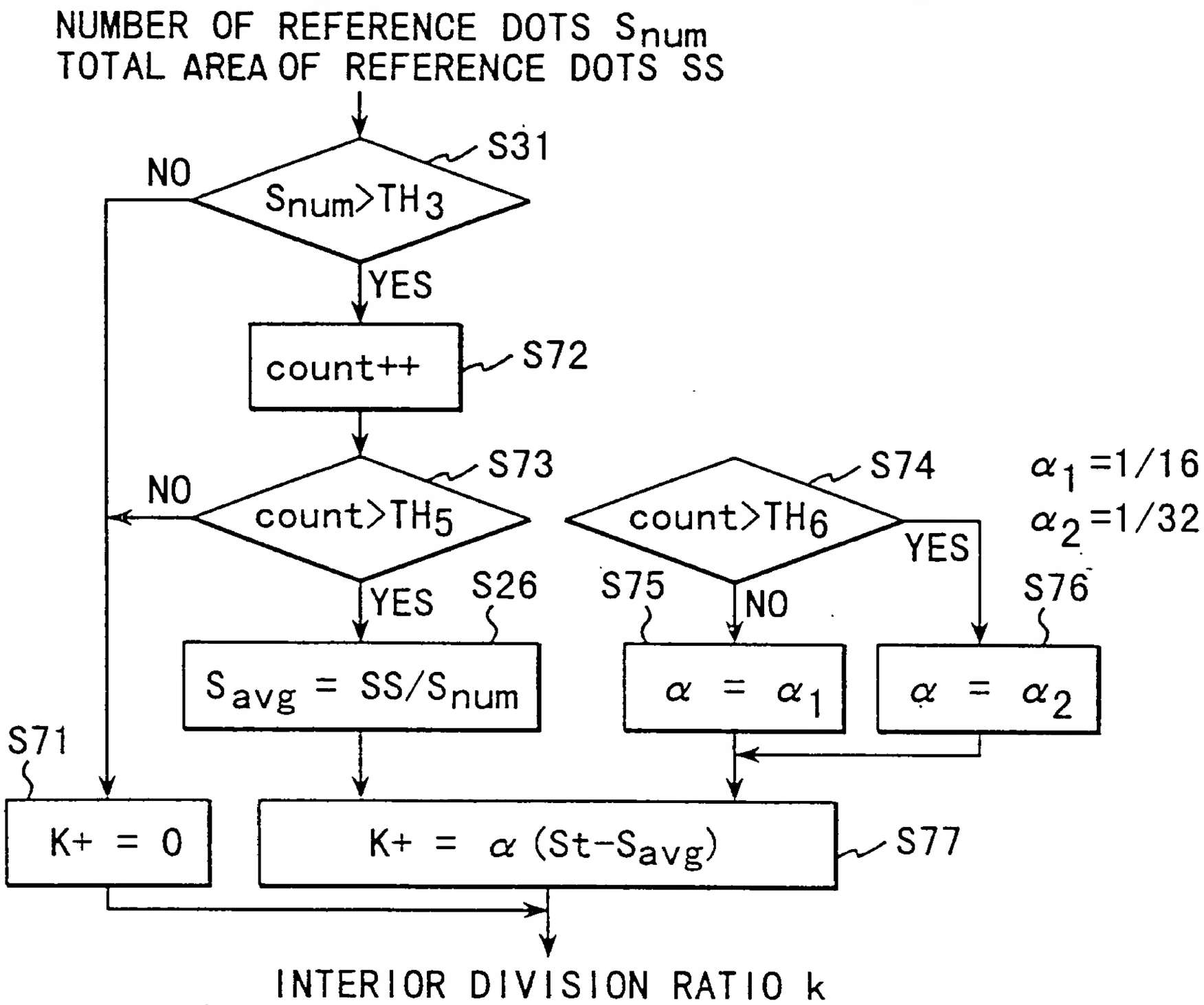


FIG. 39

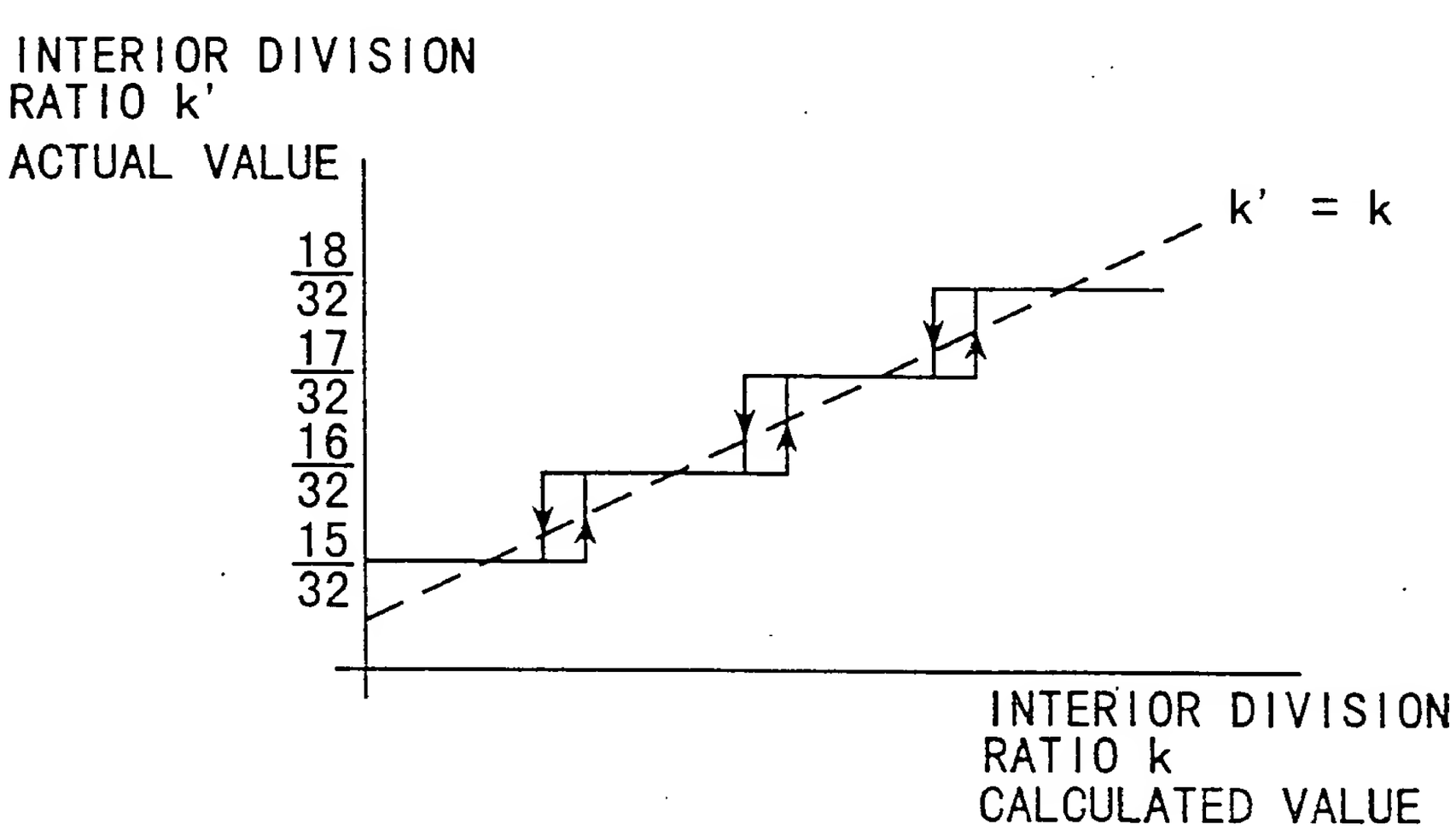


FIG. 40

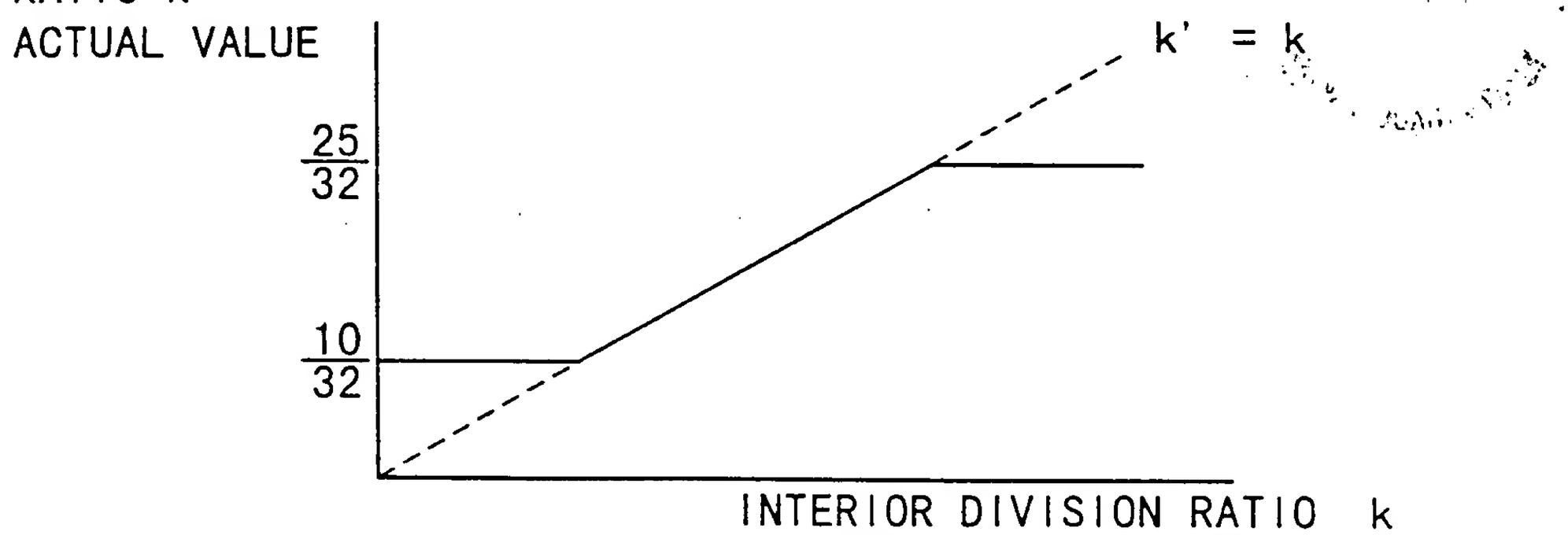


FIG. 41

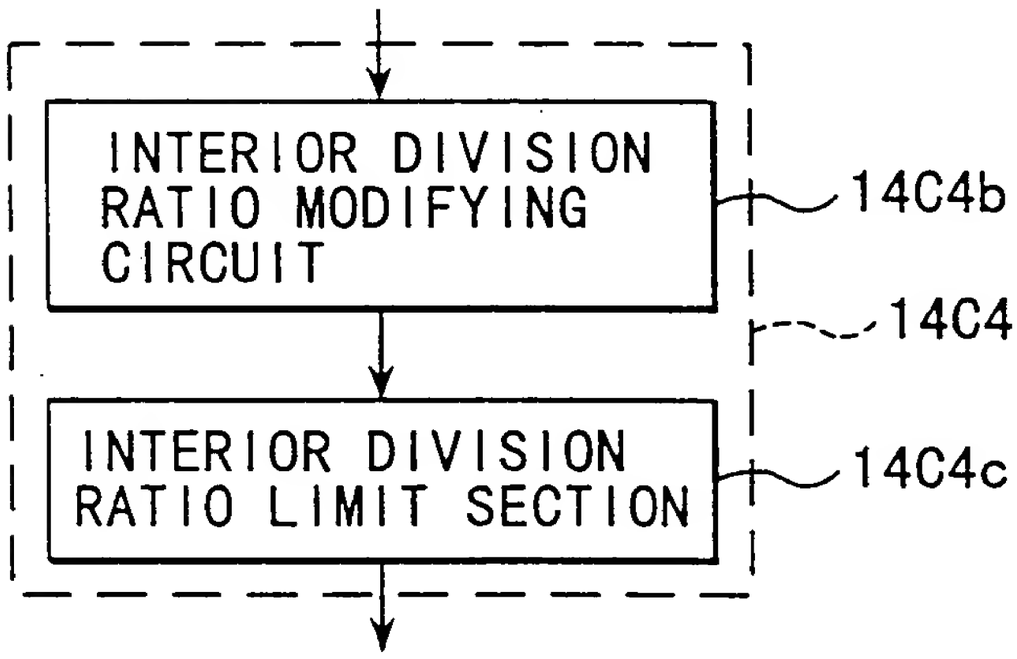


FIG. 42

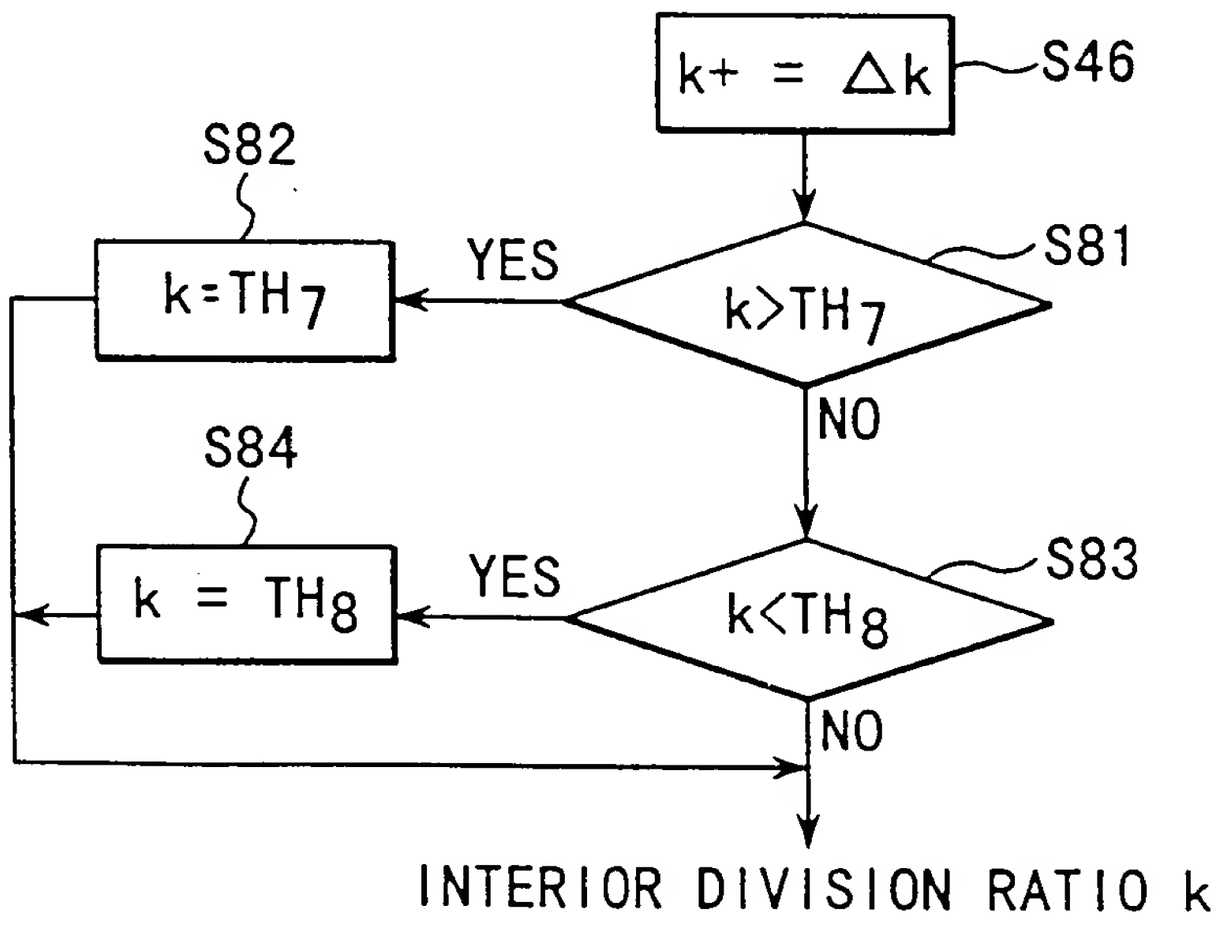


FIG. 43

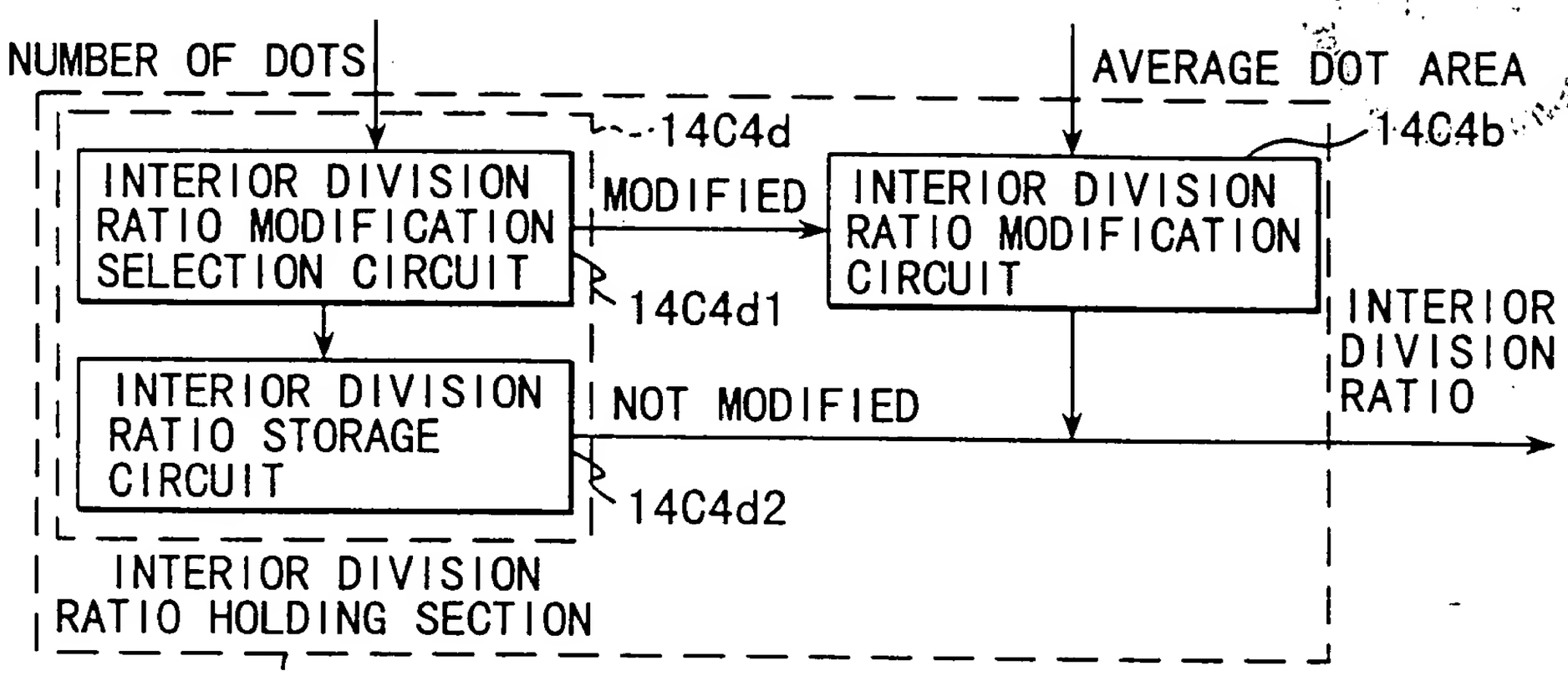


FIG. 44

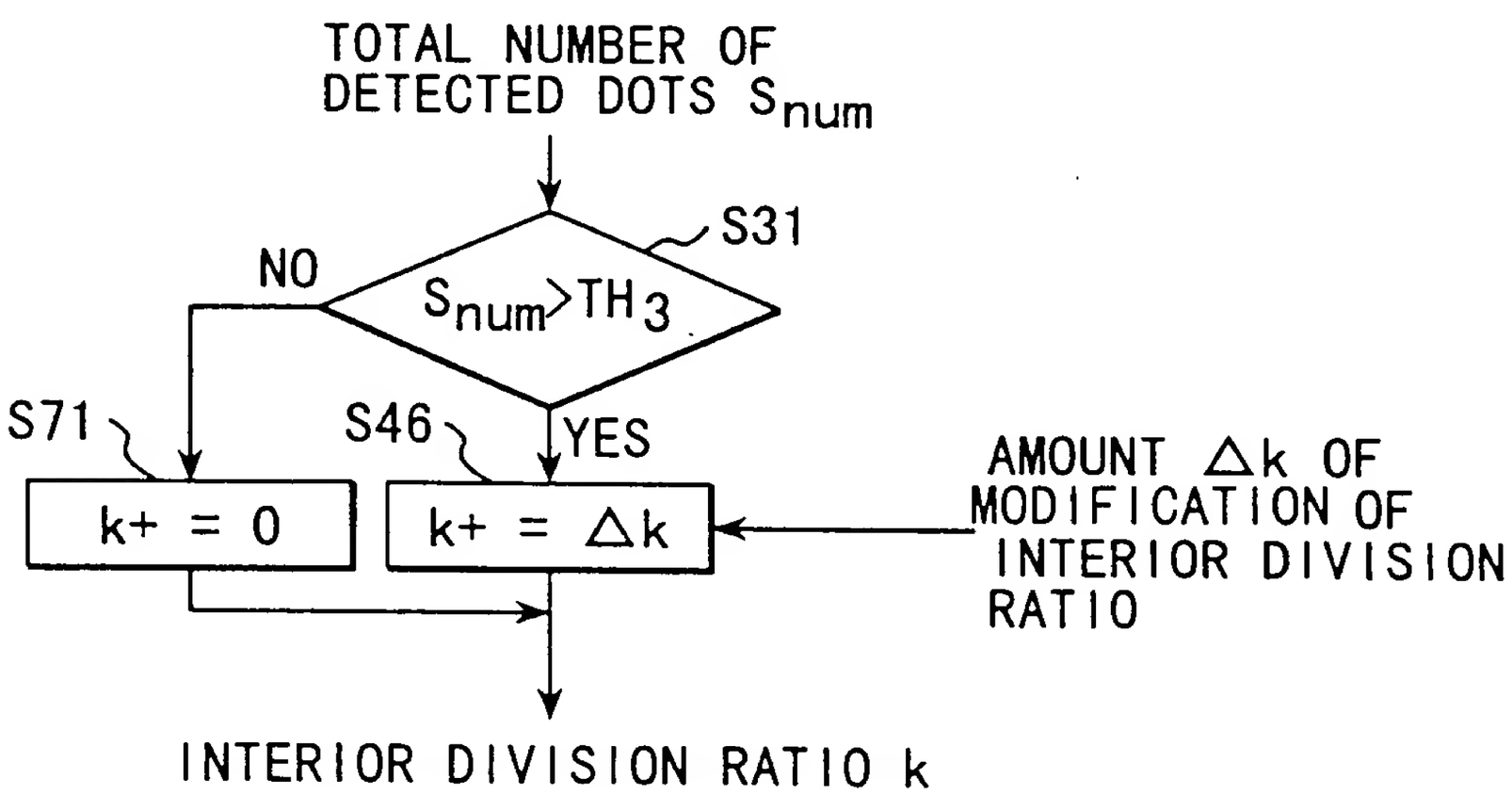


FIG. 45

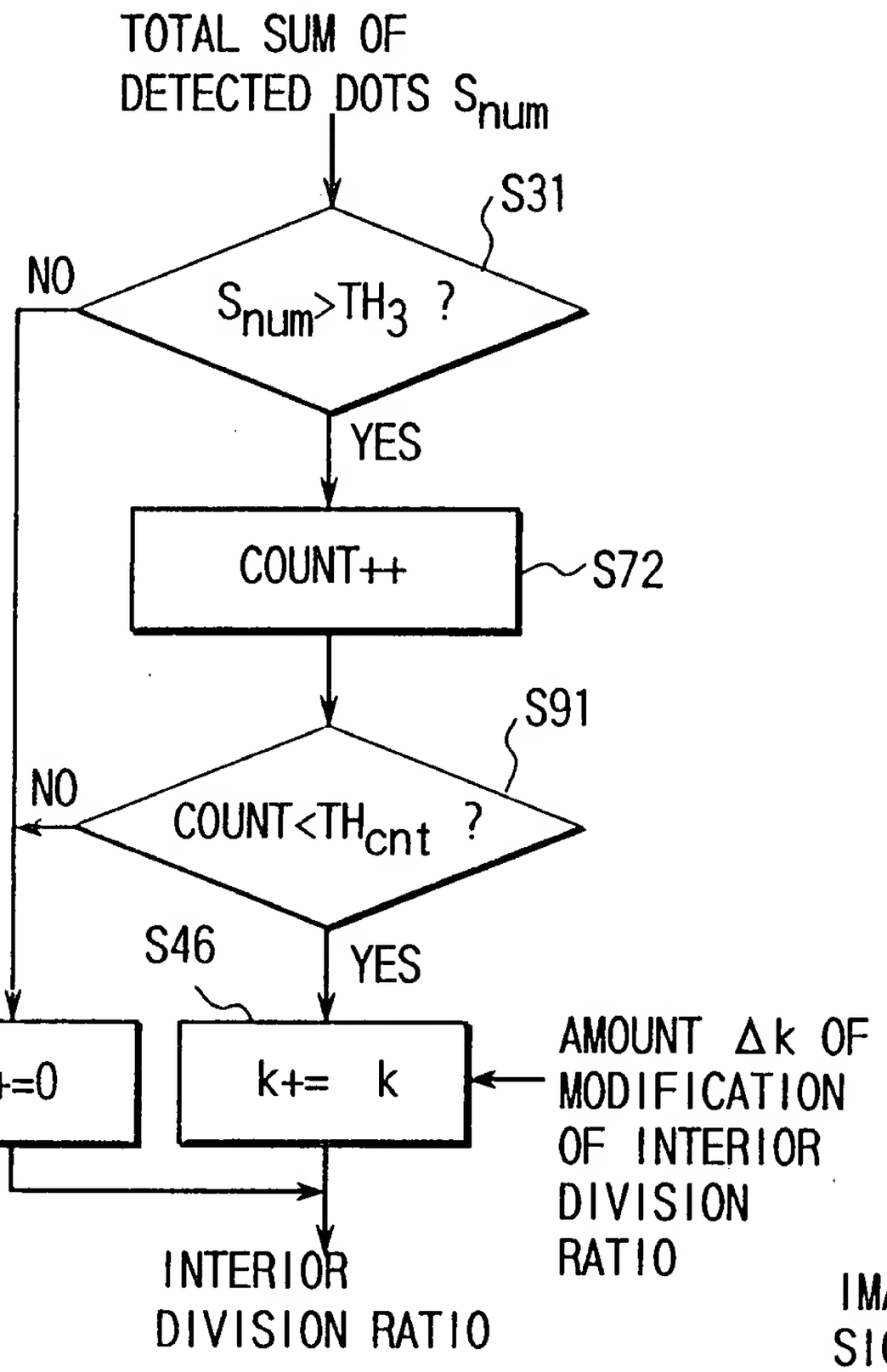


FIG. 46

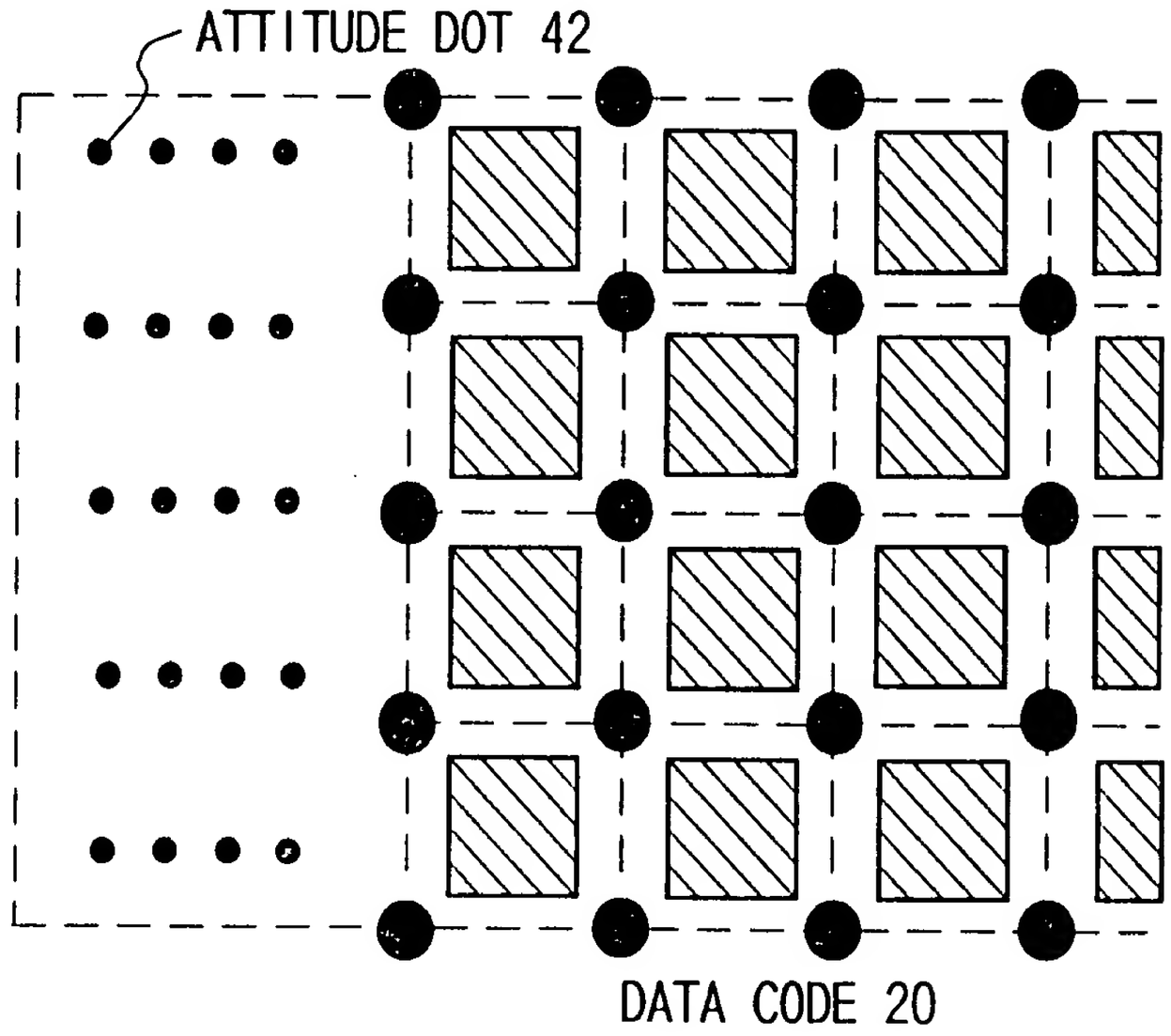


FIG. 47

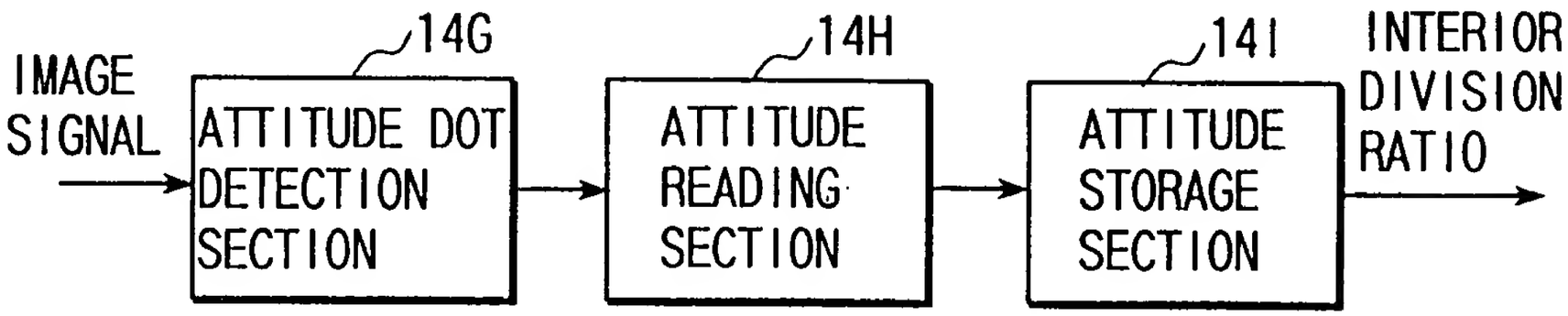


FIG. 48

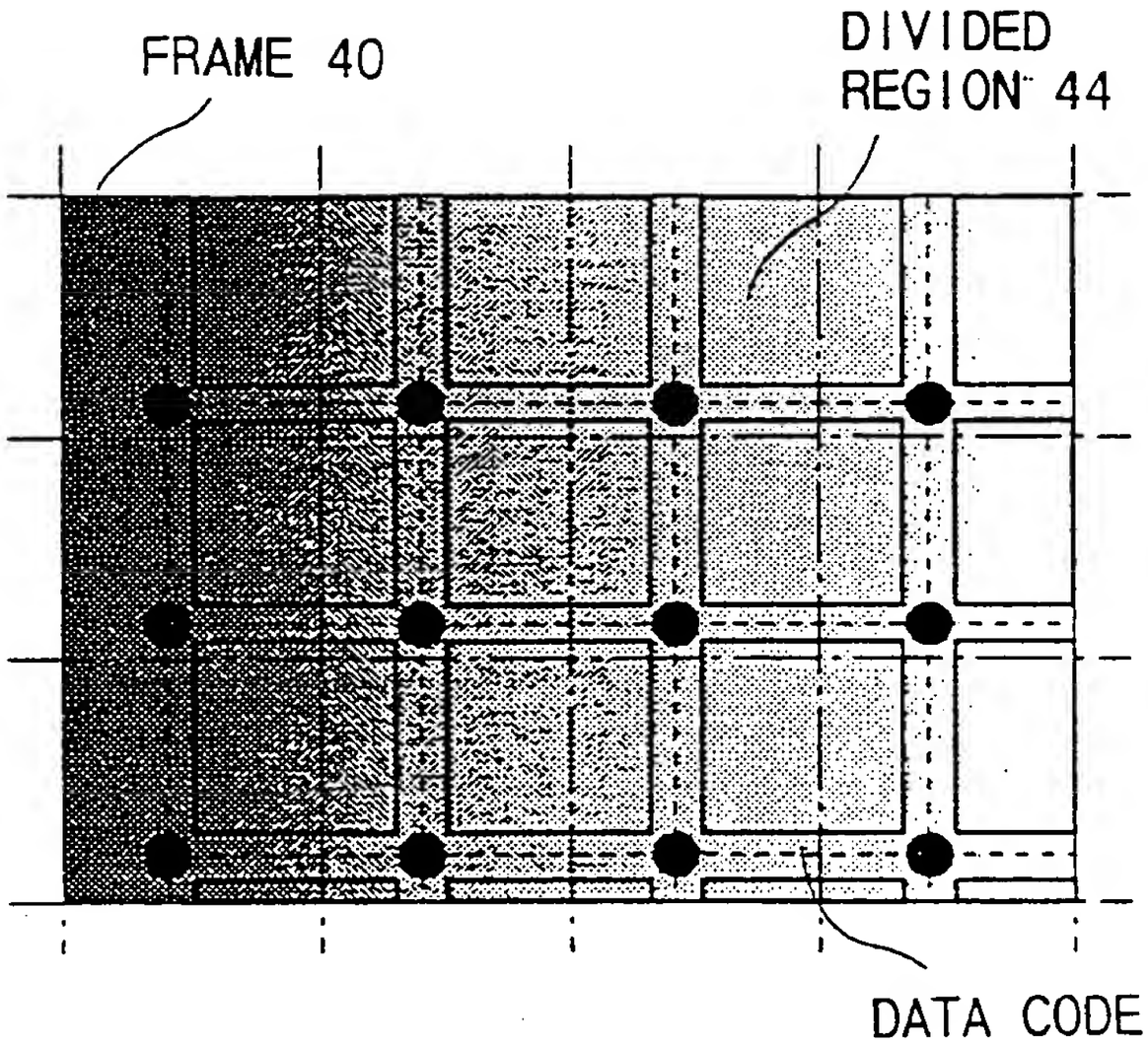


FIG. 49

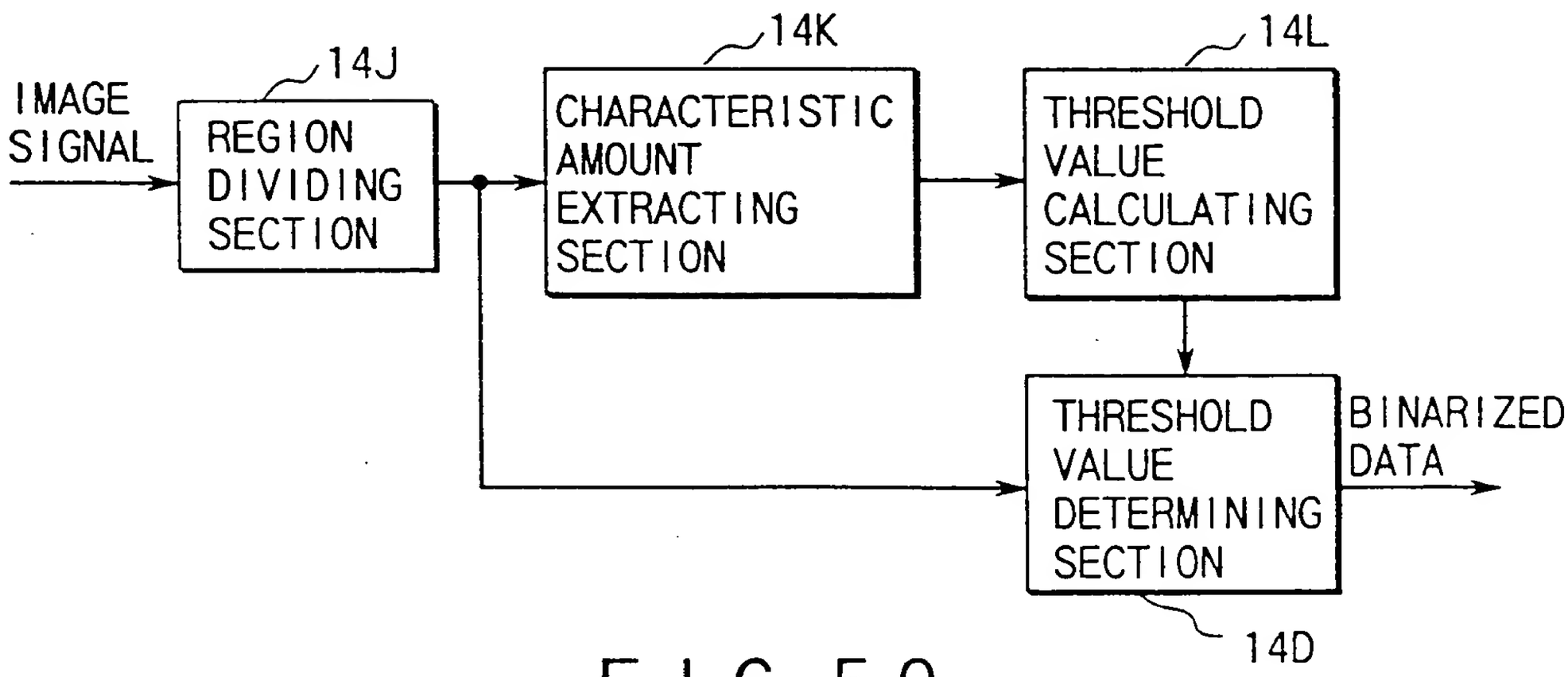


FIG. 50

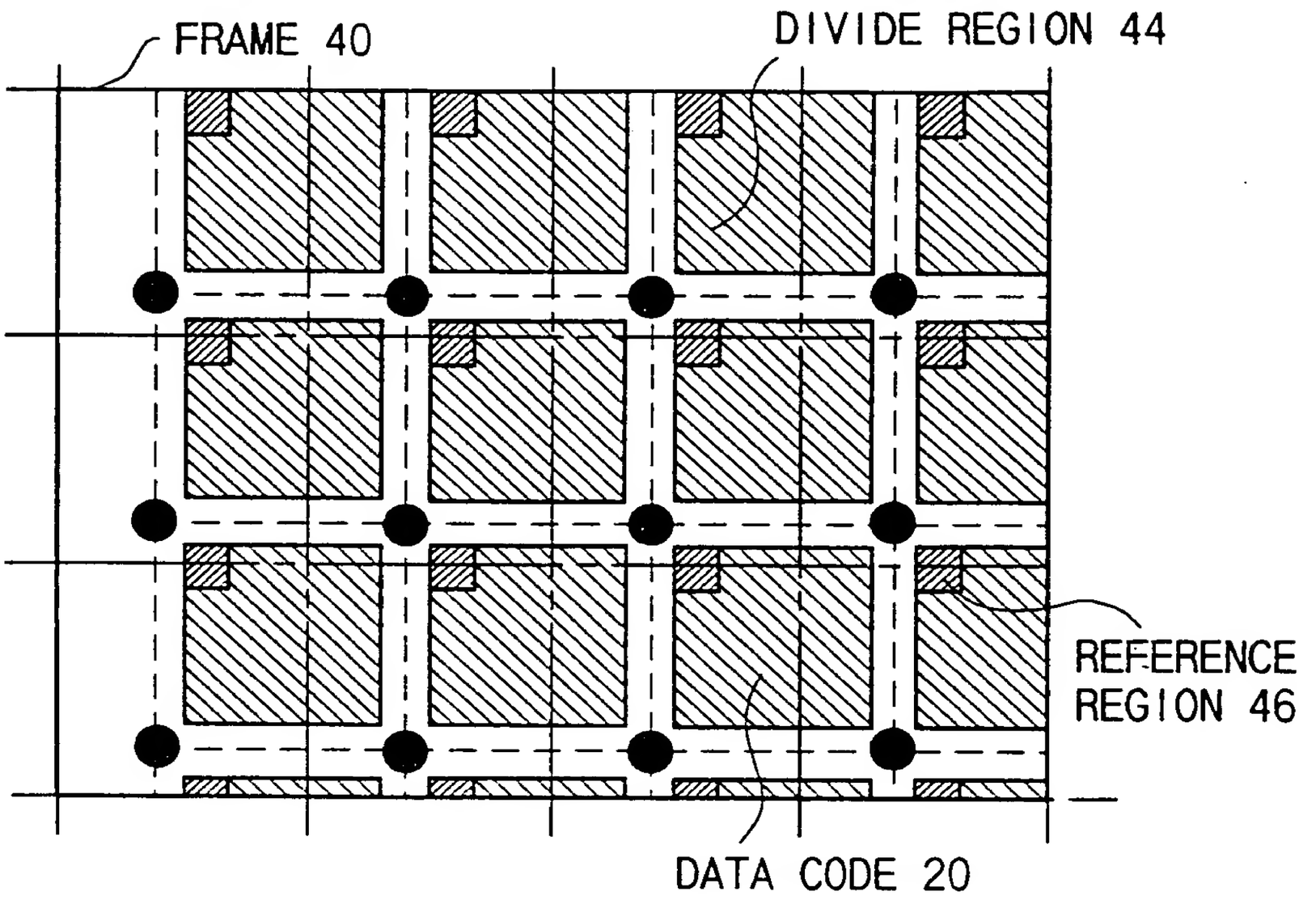


FIG. 51

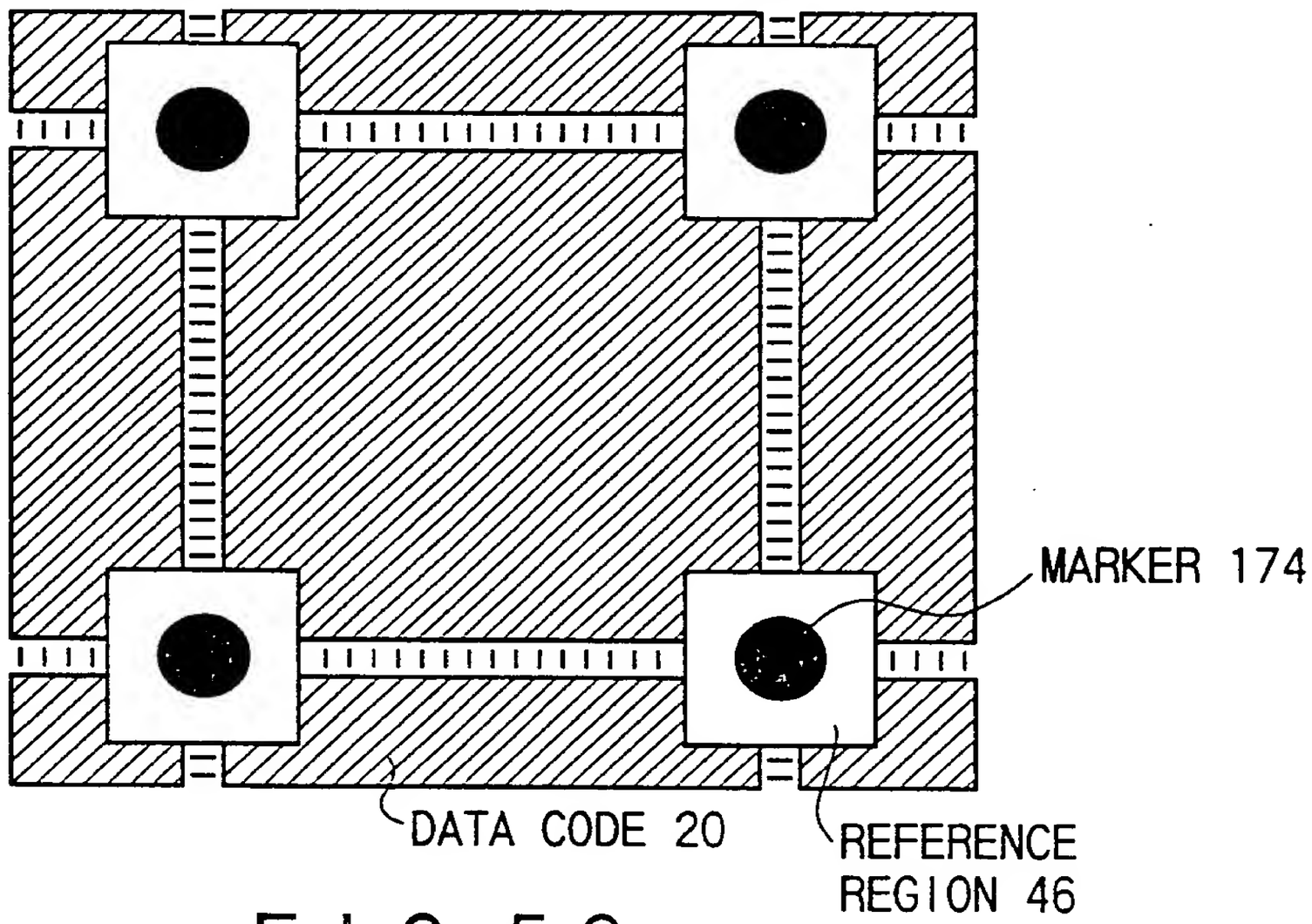


FIG. 52

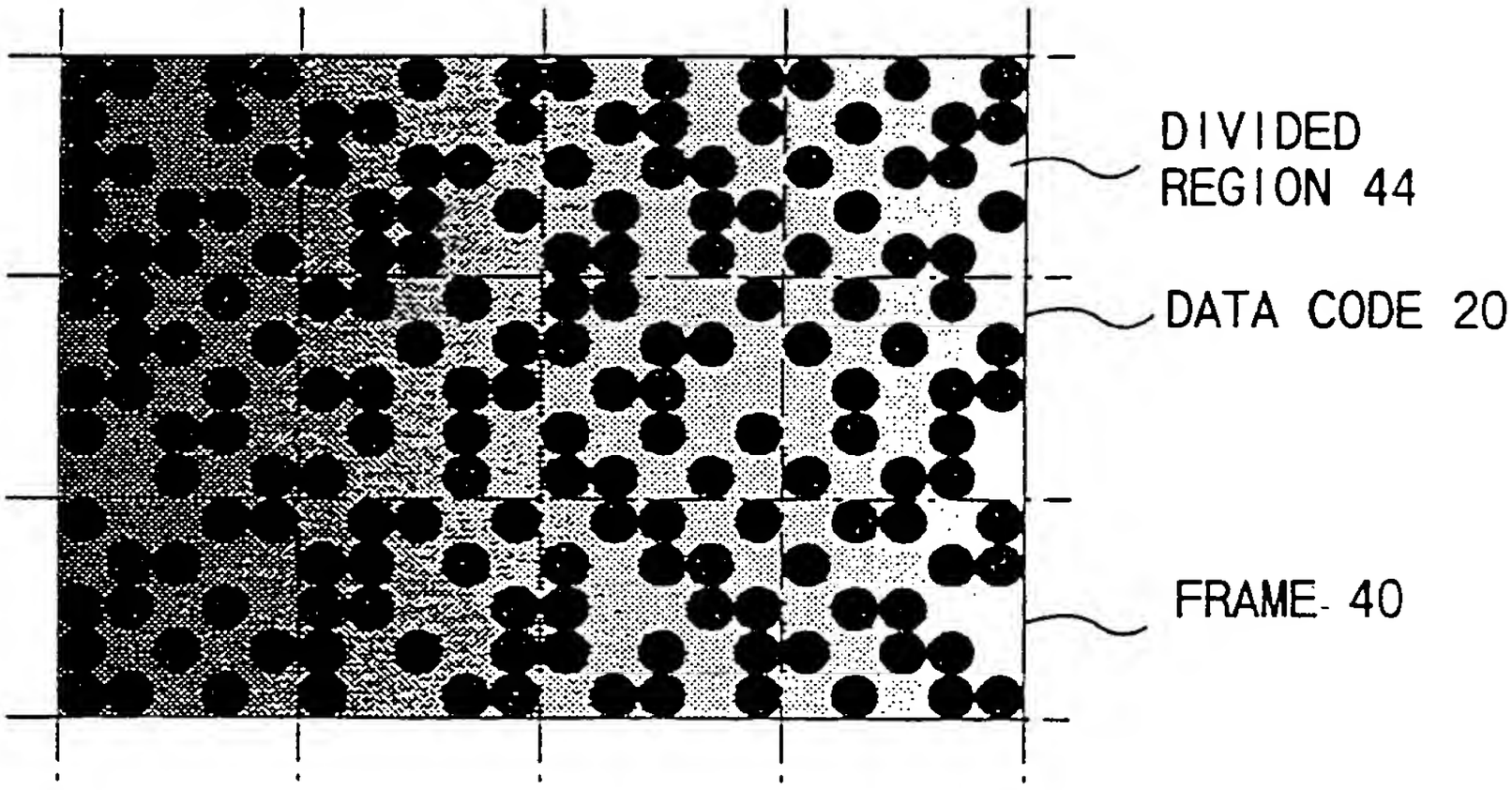


FIG. 53A

max=180 th=90	max=190 th=95	max=200 th=100	max=210 th=105
max=182 th=91	max=193 th=92	max=205 th=103	max=212 th=106
max=178 th=89	max=187 th=94	max=198 th=99	max=207 th=104

FIG. 53B

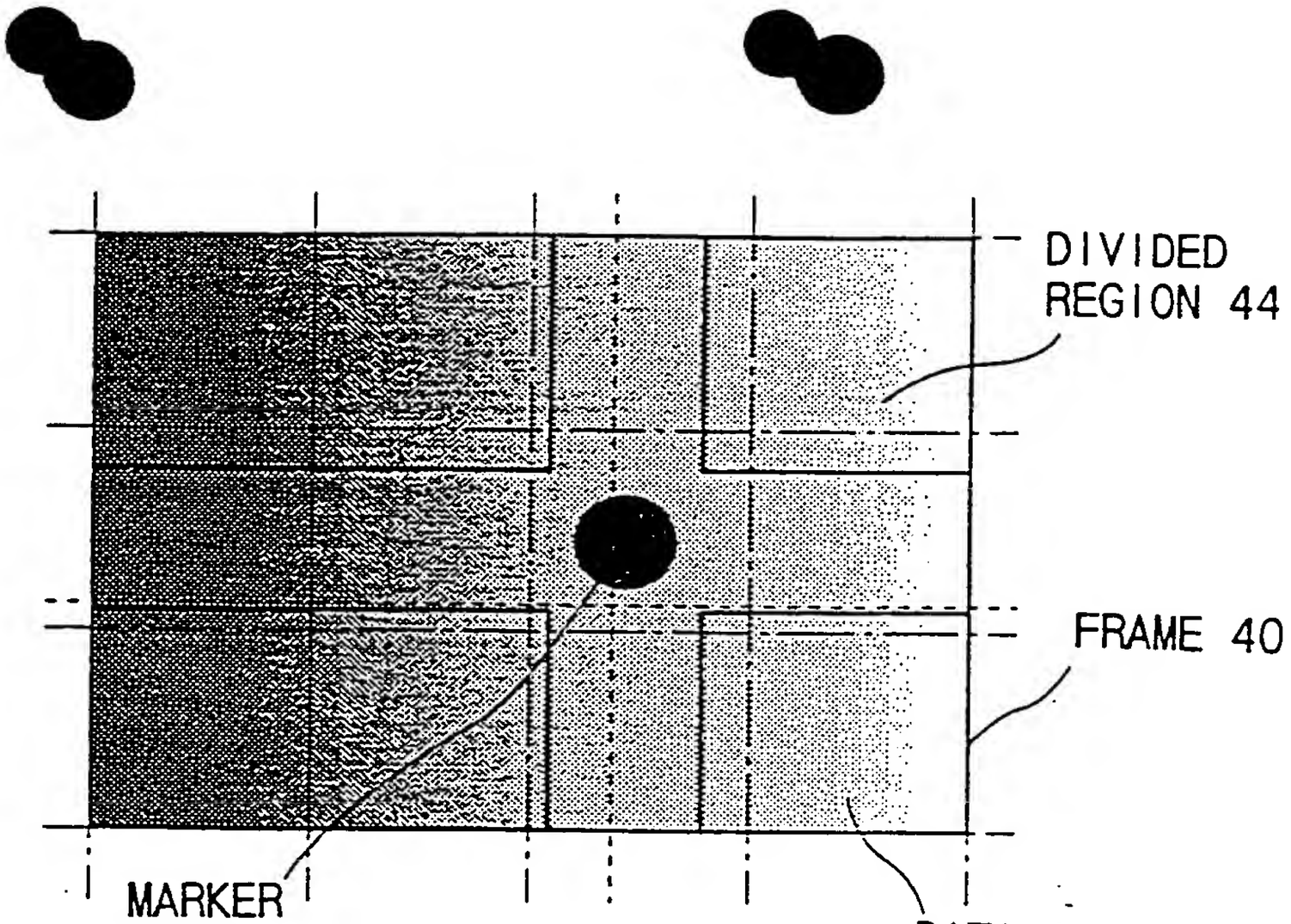


FIG. 54A

REGION 48

DATA CODE 20

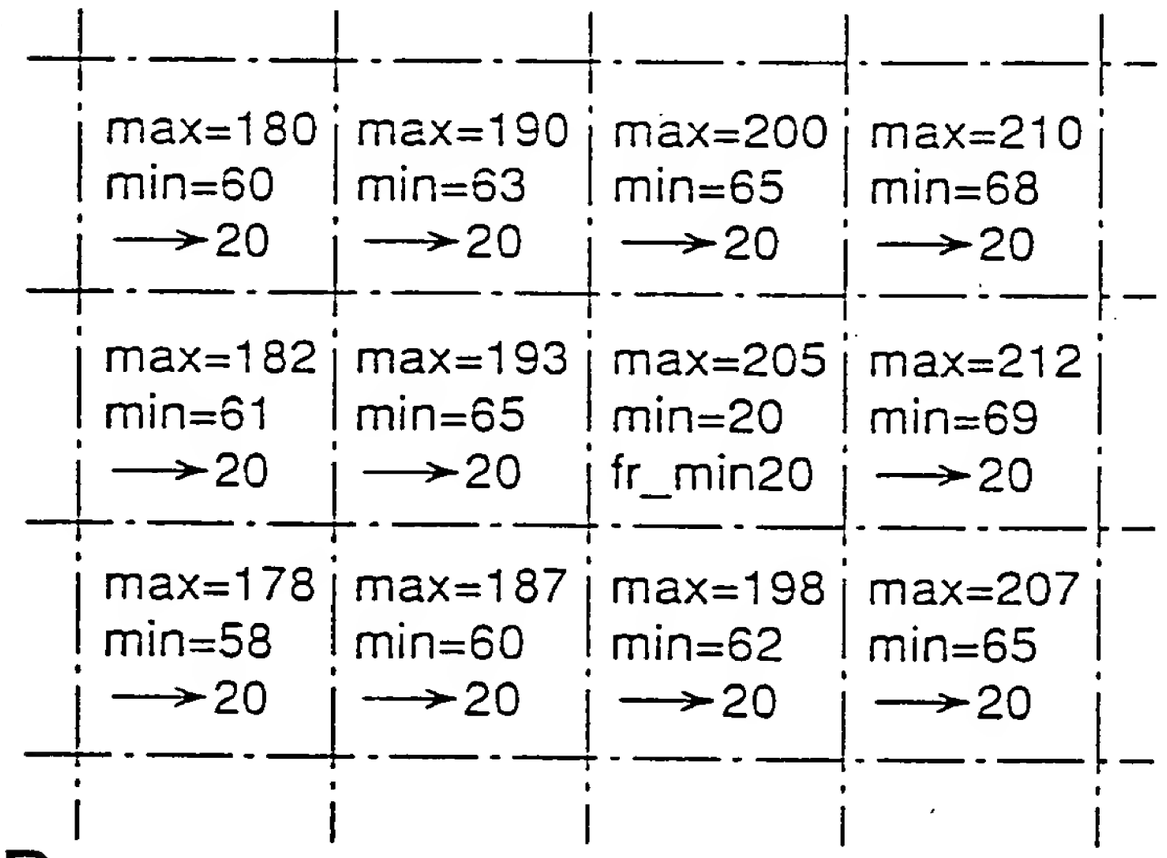


FIG. 54B

WHEN INTERIOR DIVISION RATIO k=0.5 AND MINIMUM VALUE fr_min OF OVERALL PORTION OF PREVIOUS FRAME IS 20

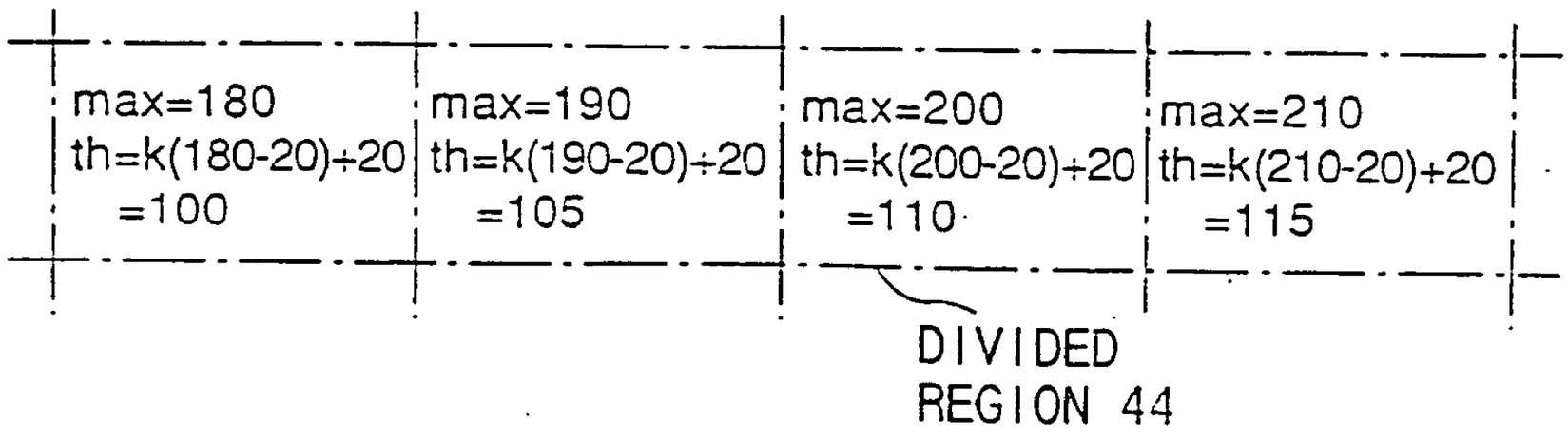
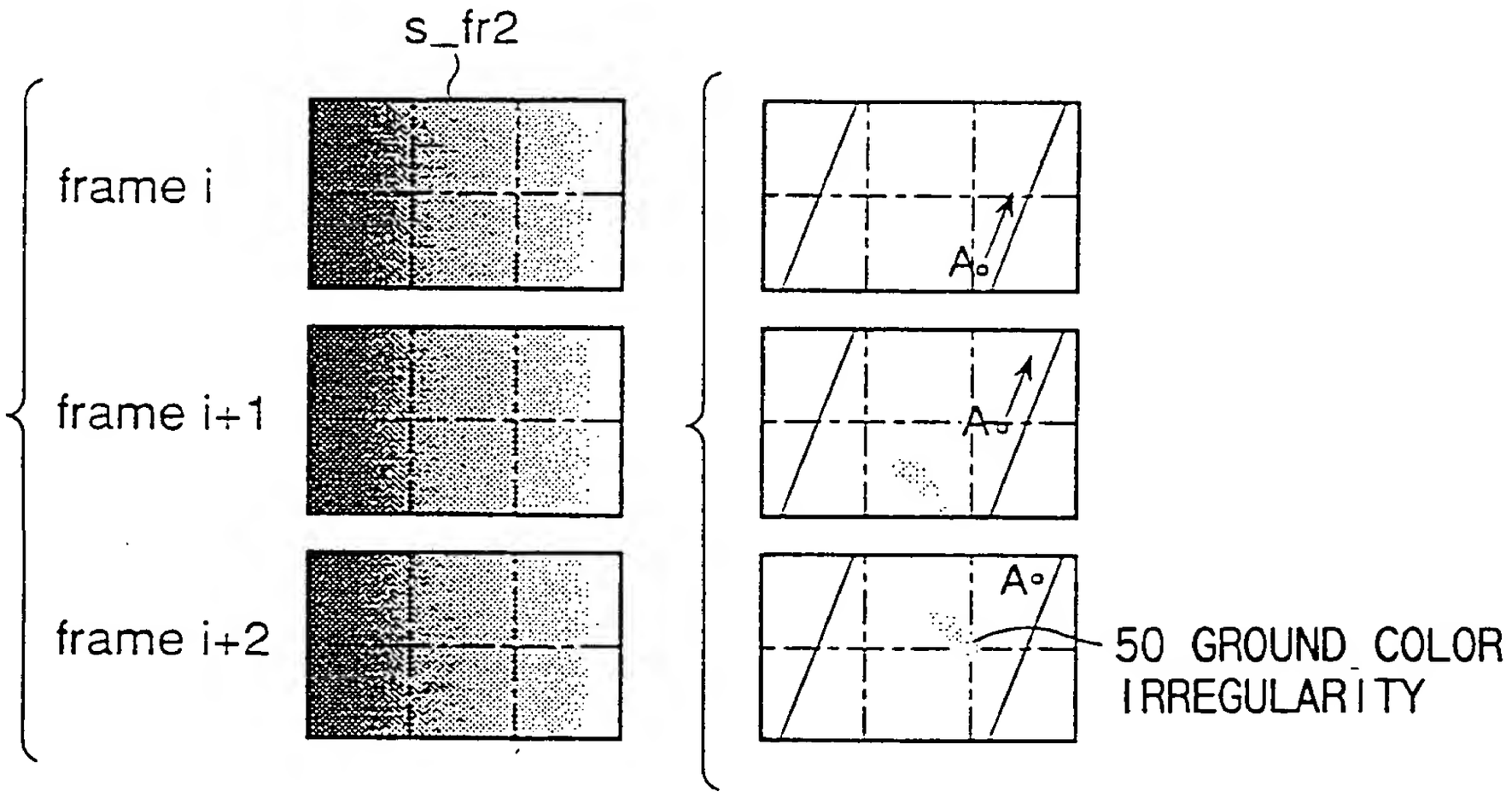
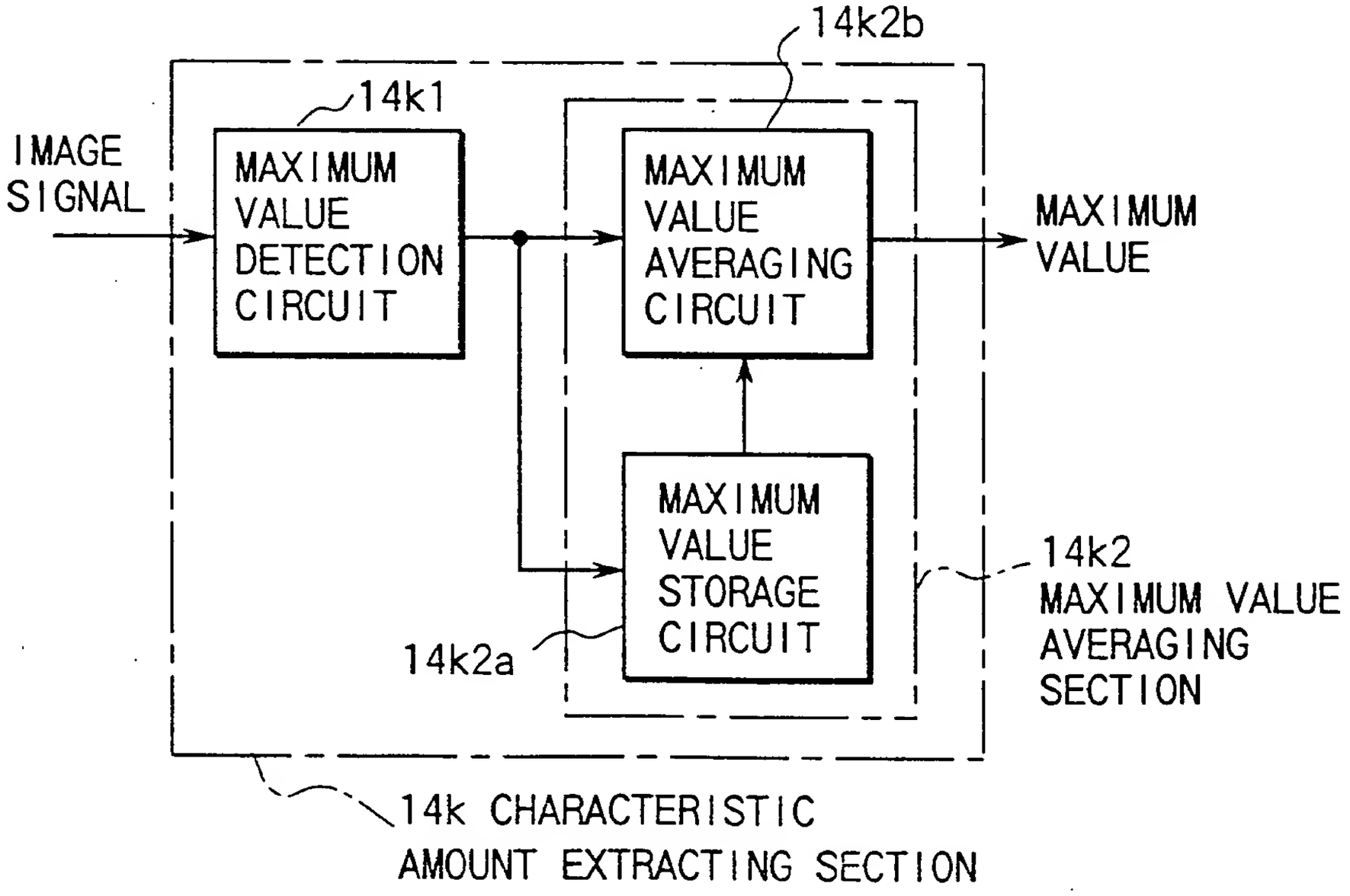


FIG. 55



F I G. 5 6 A

F I G. 5 6 B



F I G. 5 7

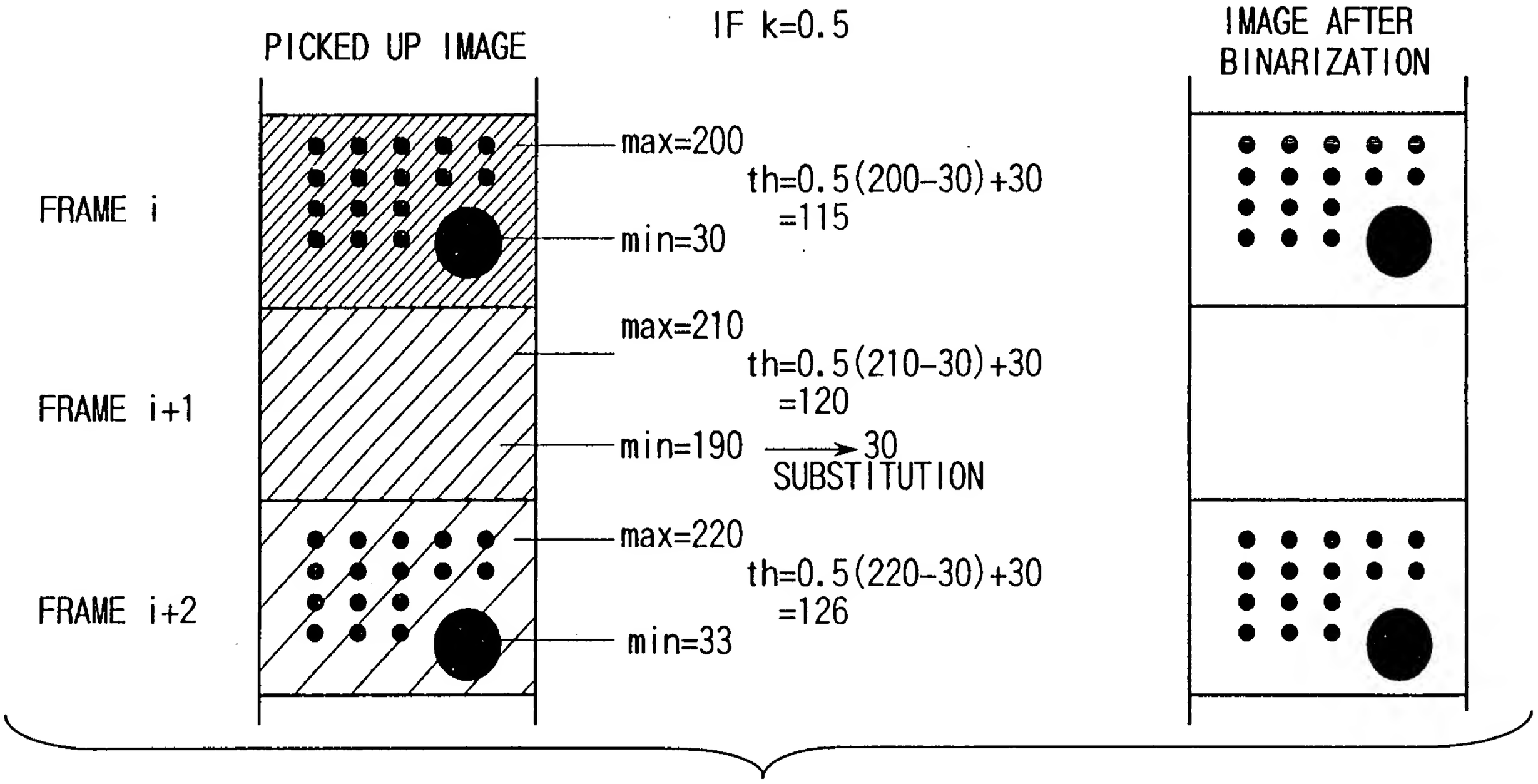


FIG. 58

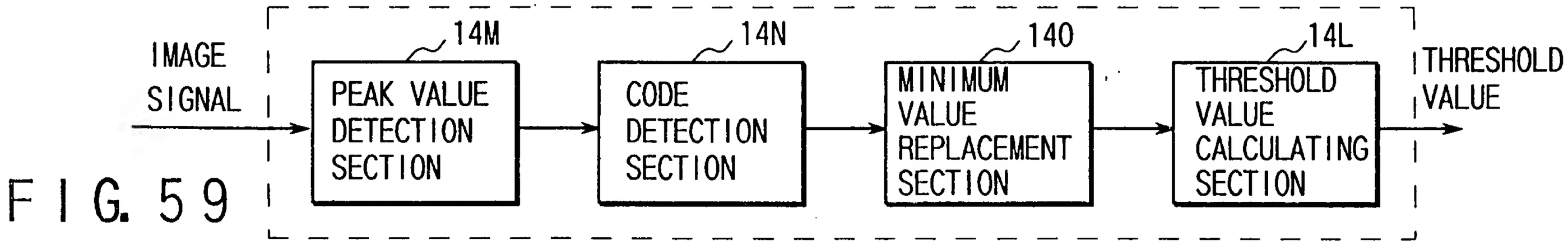


FIG. 59

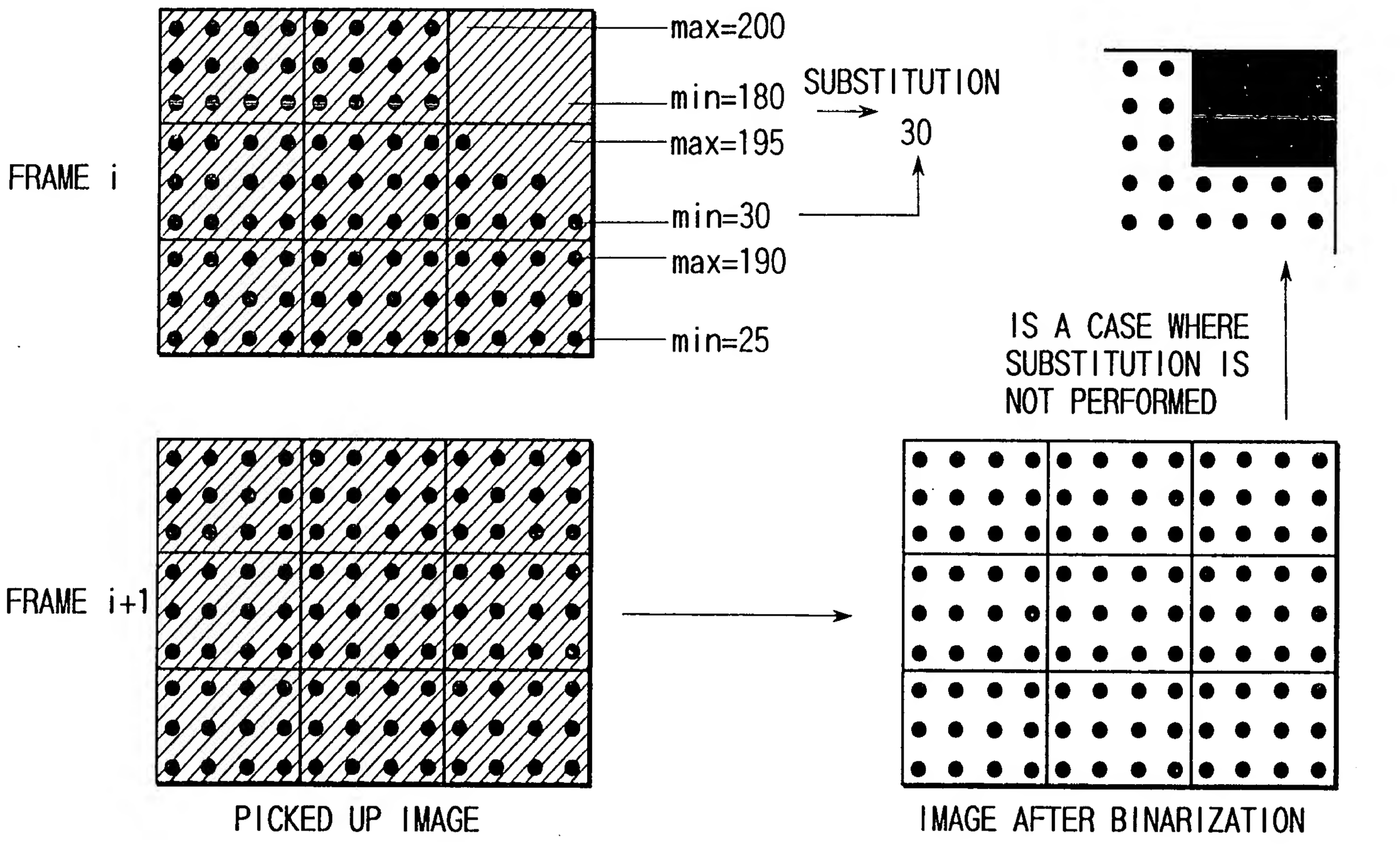


FIG. 60

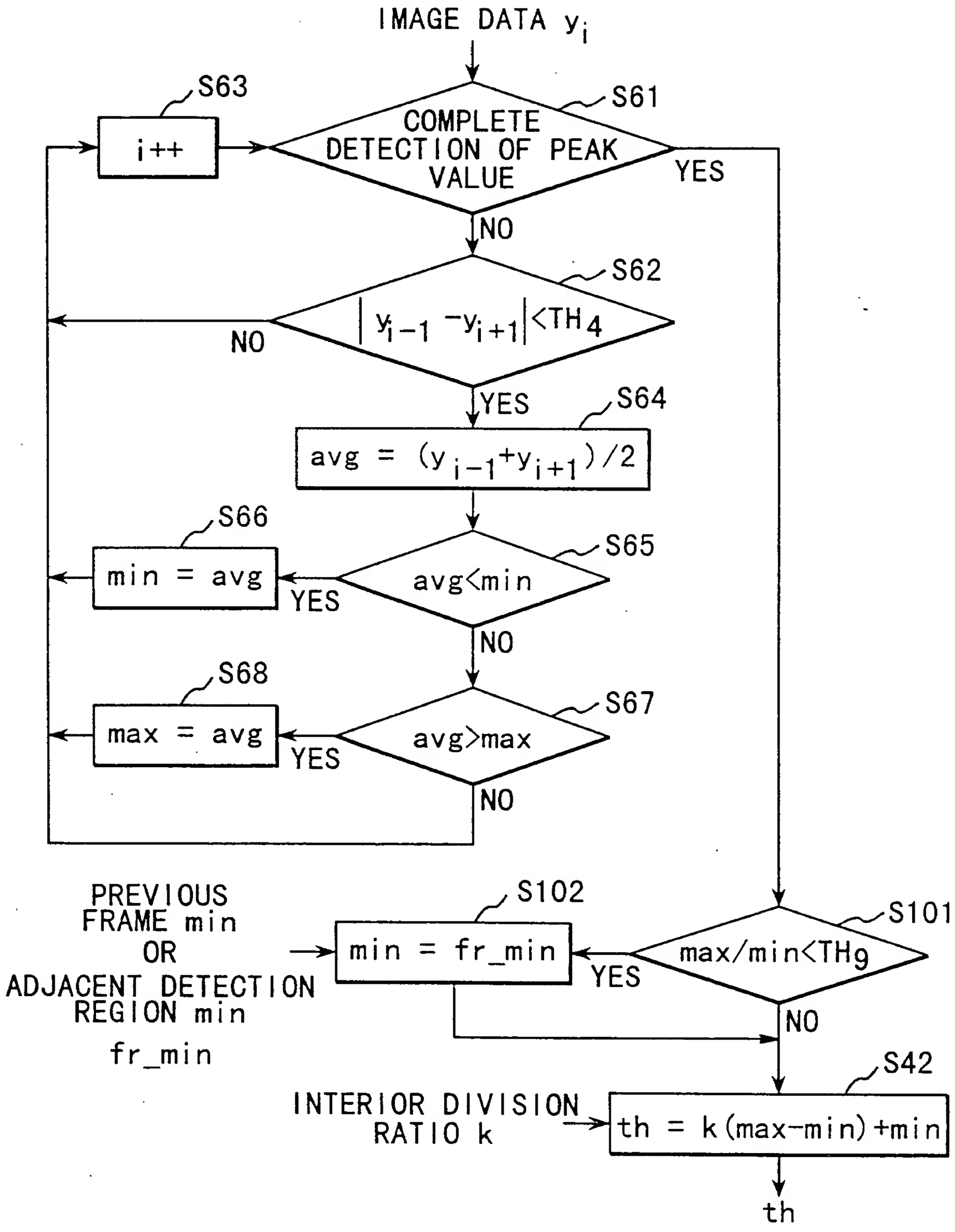


FIG. 61

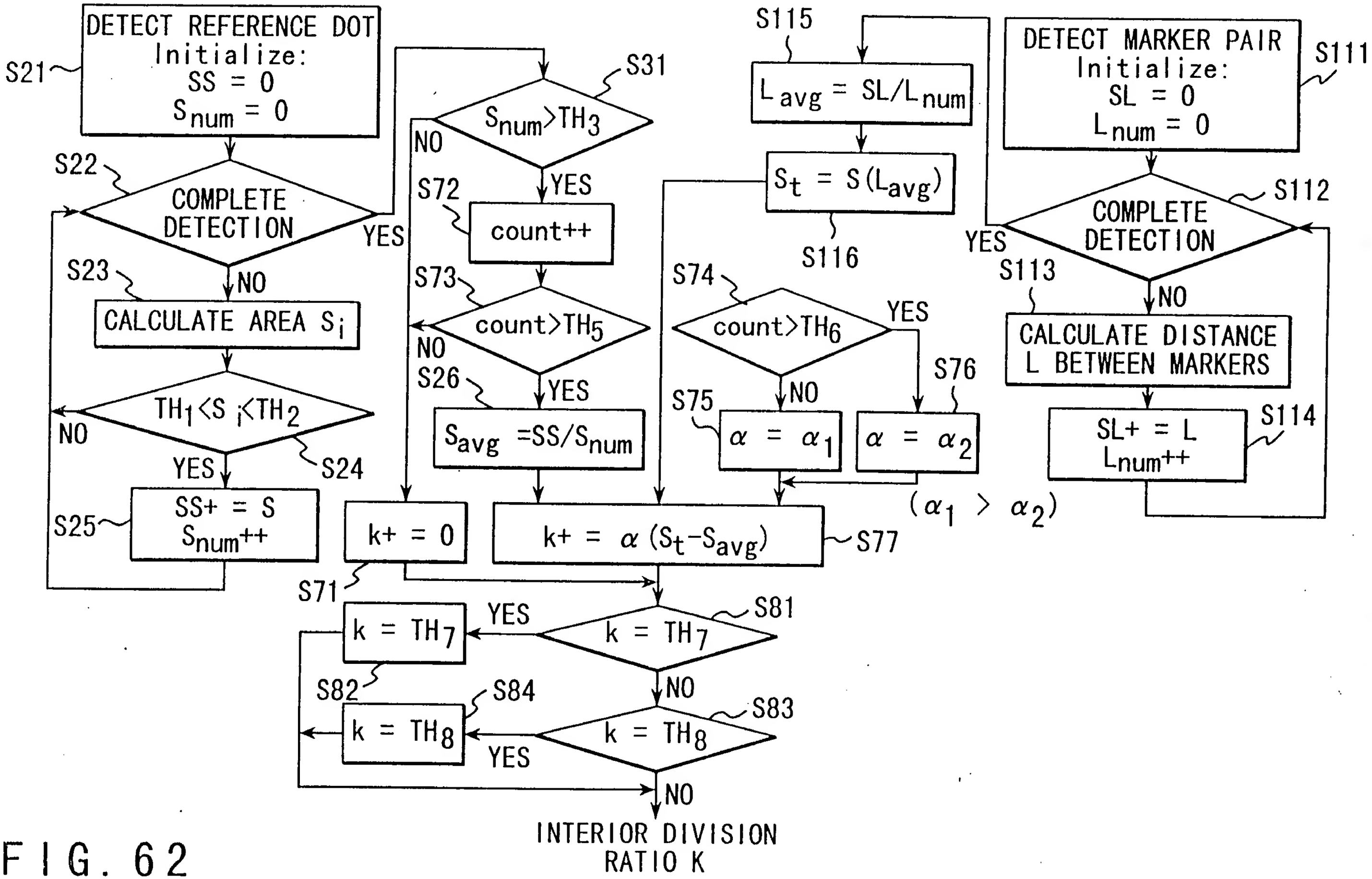


FIG. 62

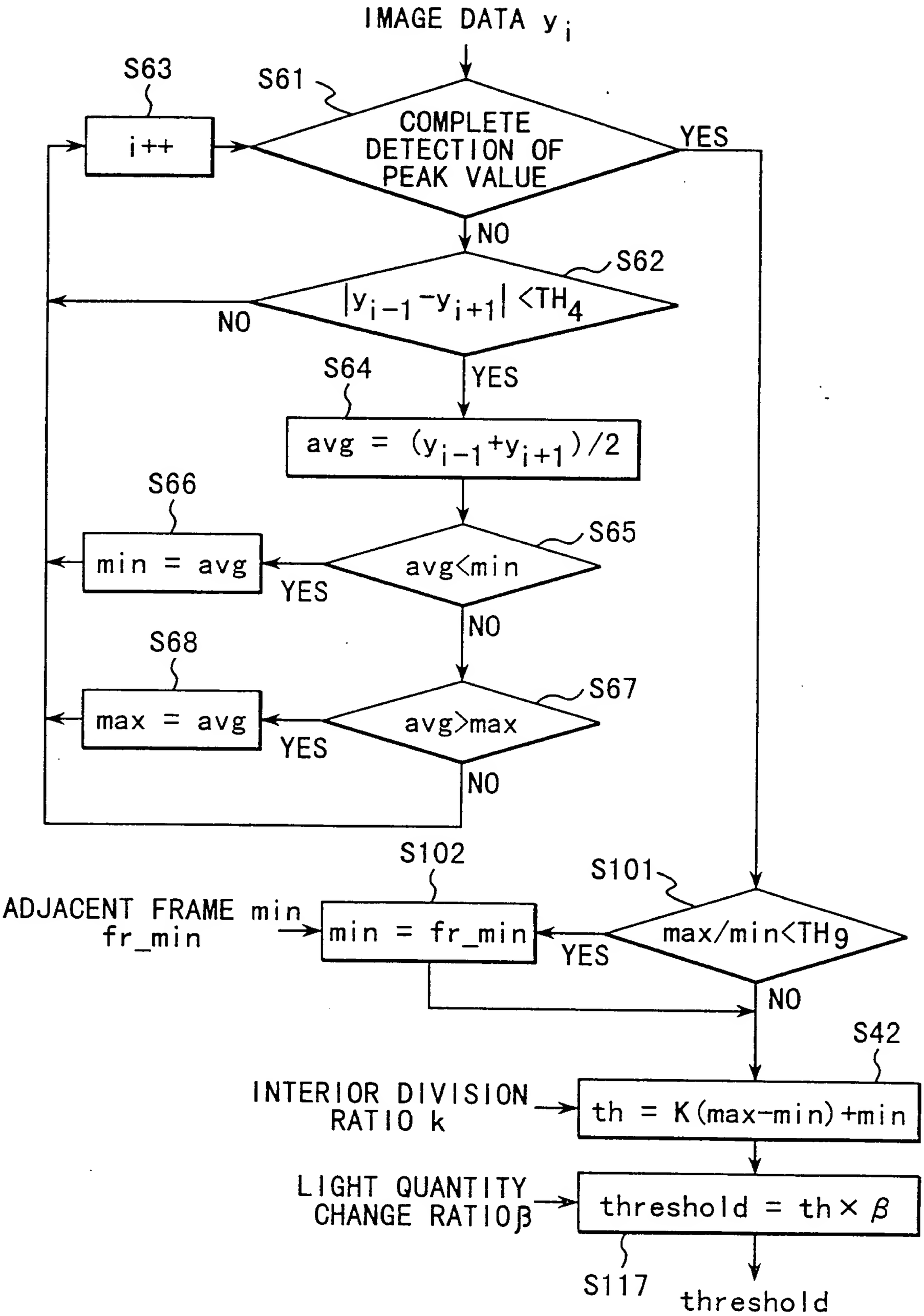


FIG. 63

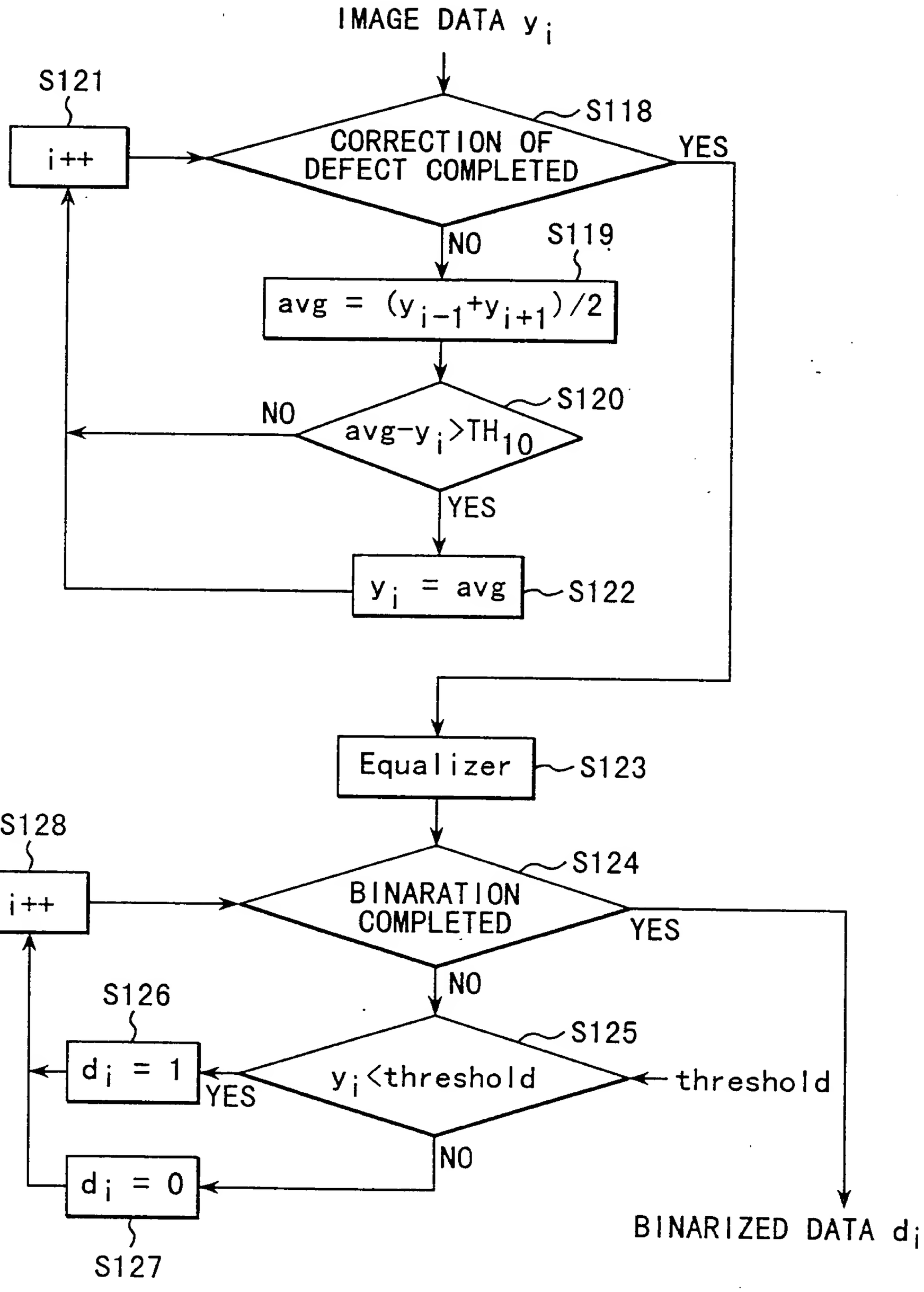


FIG. 64

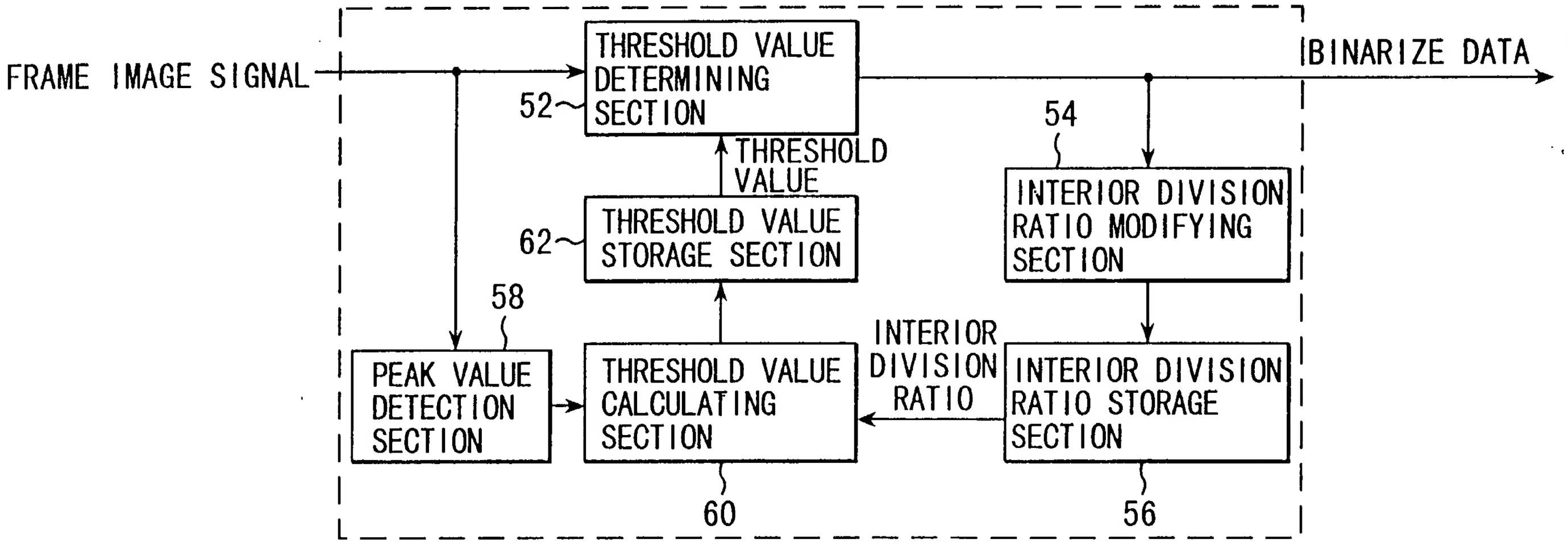


FIG. 65

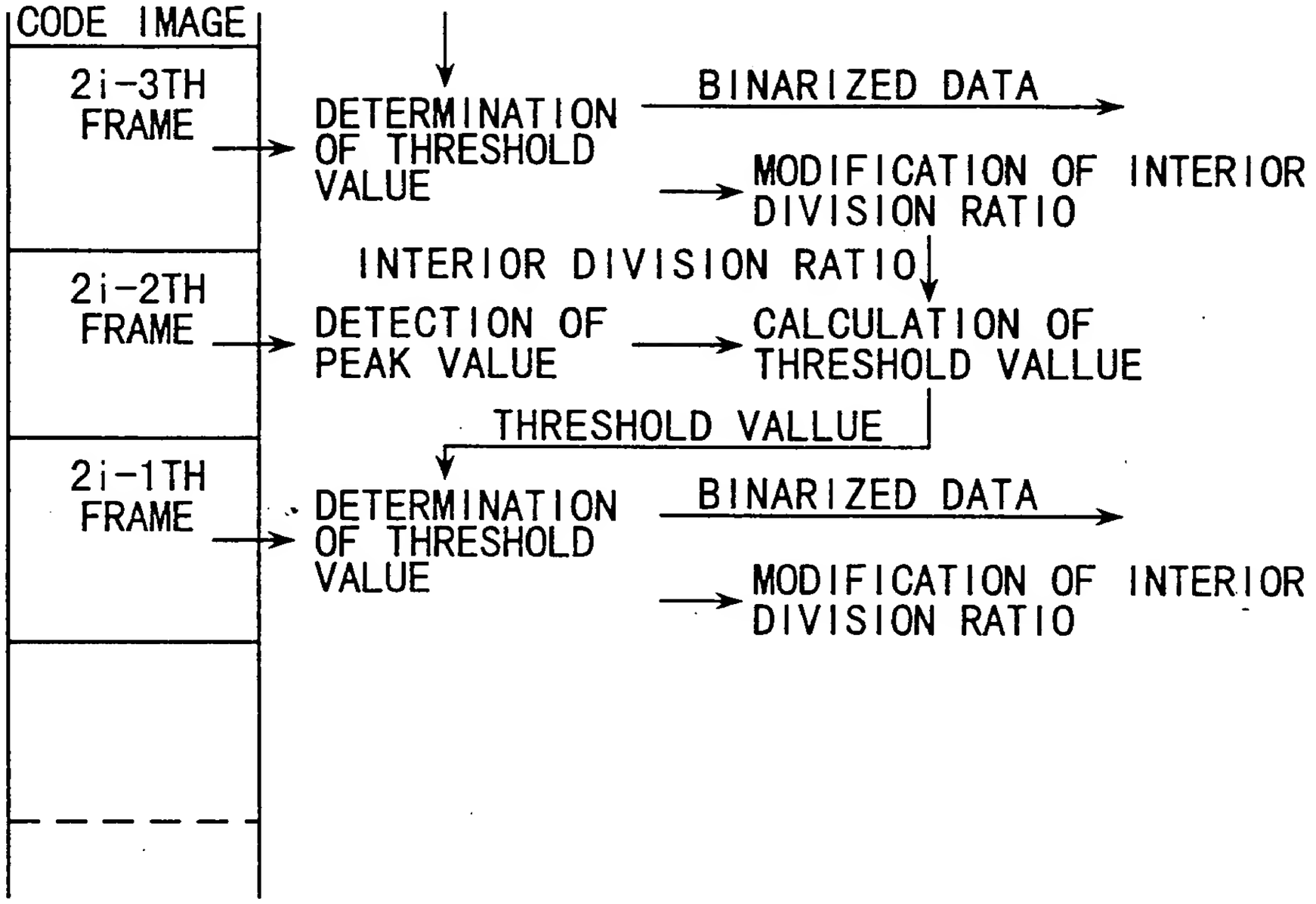


FIG. 66A

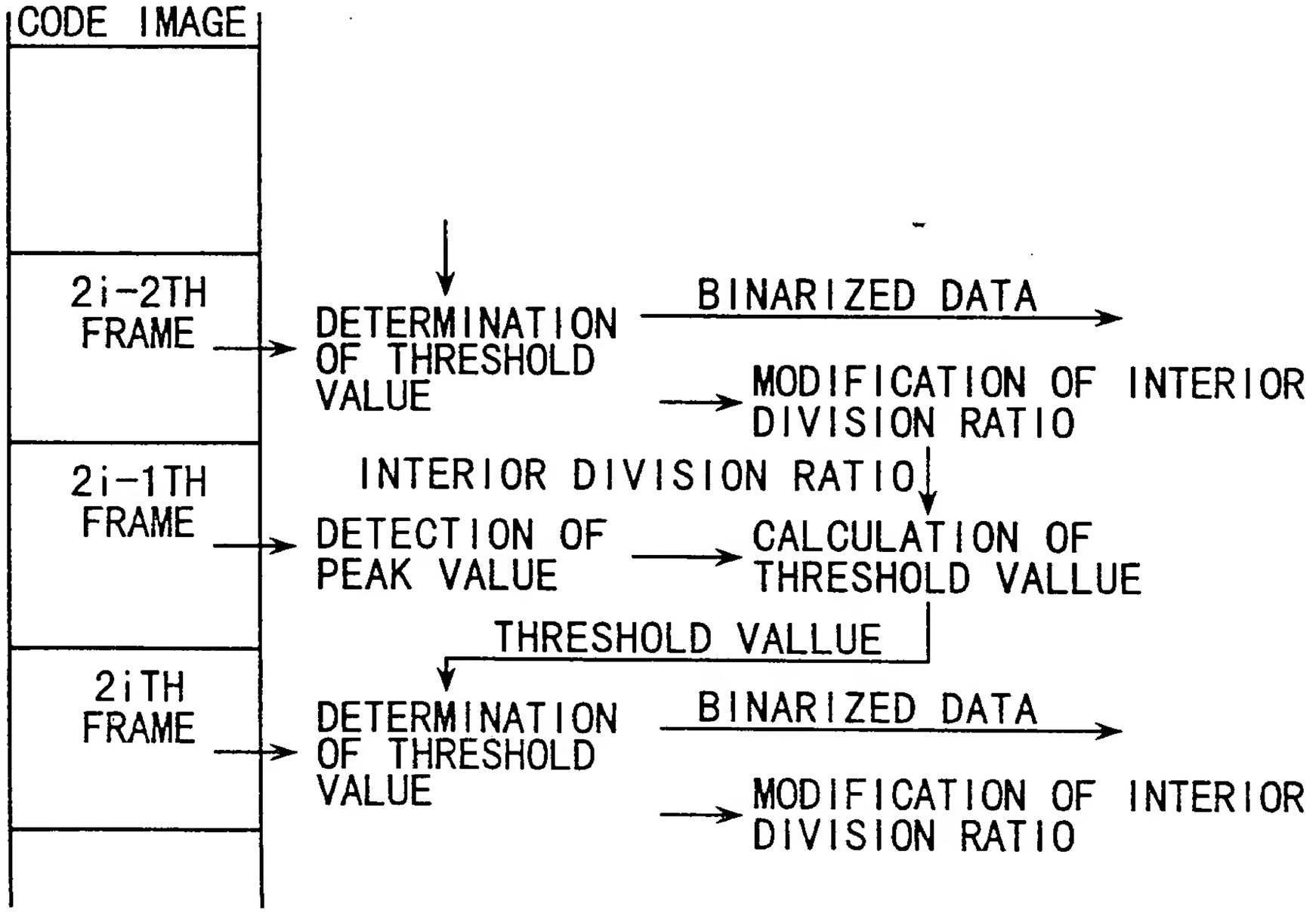


FIG. 66B

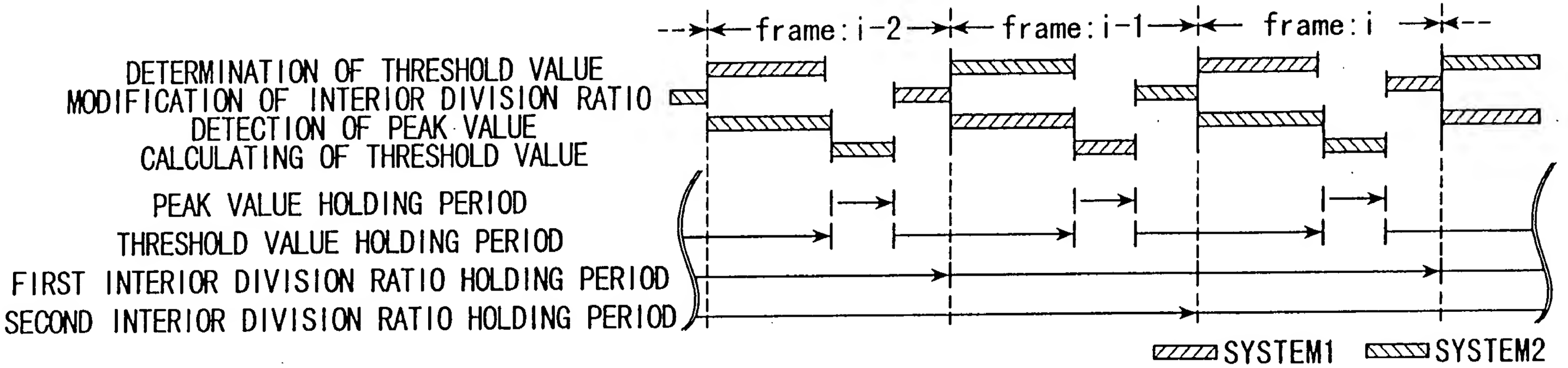


FIG. 67

FIG. 68A

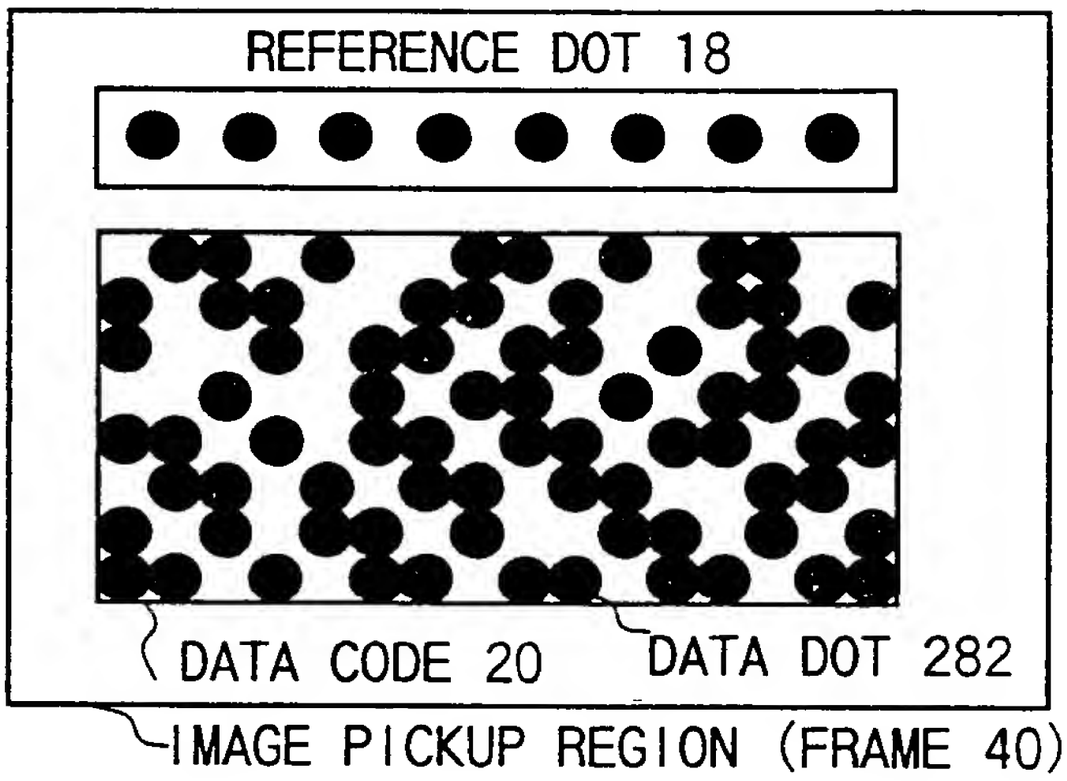


FIG. 68B

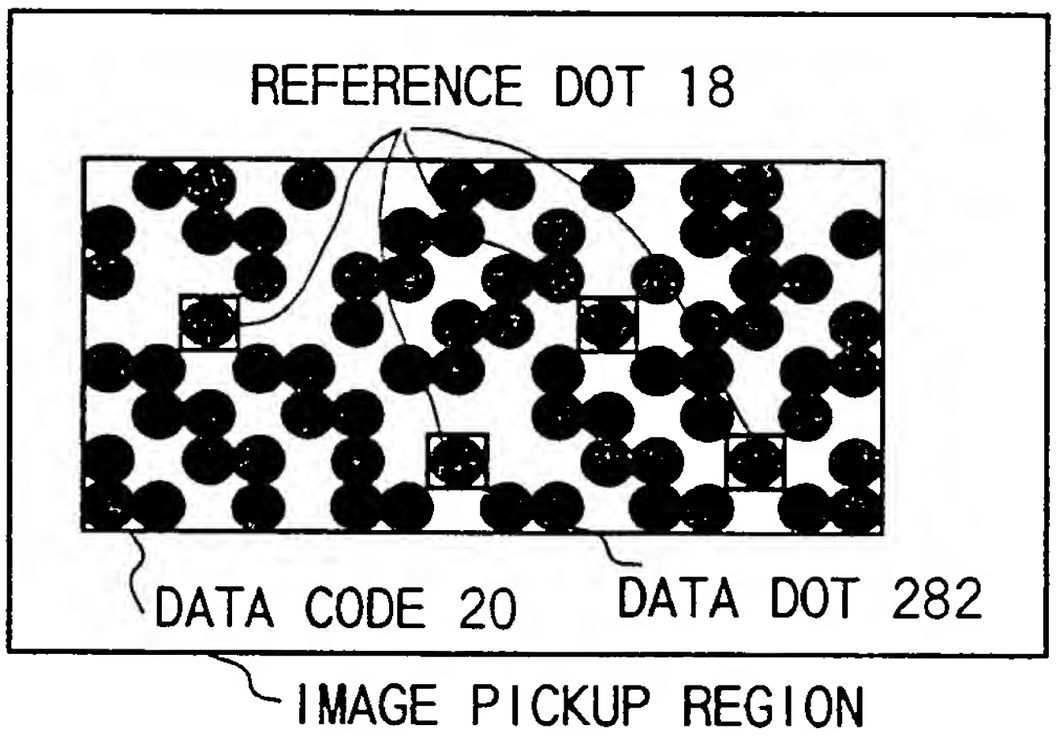
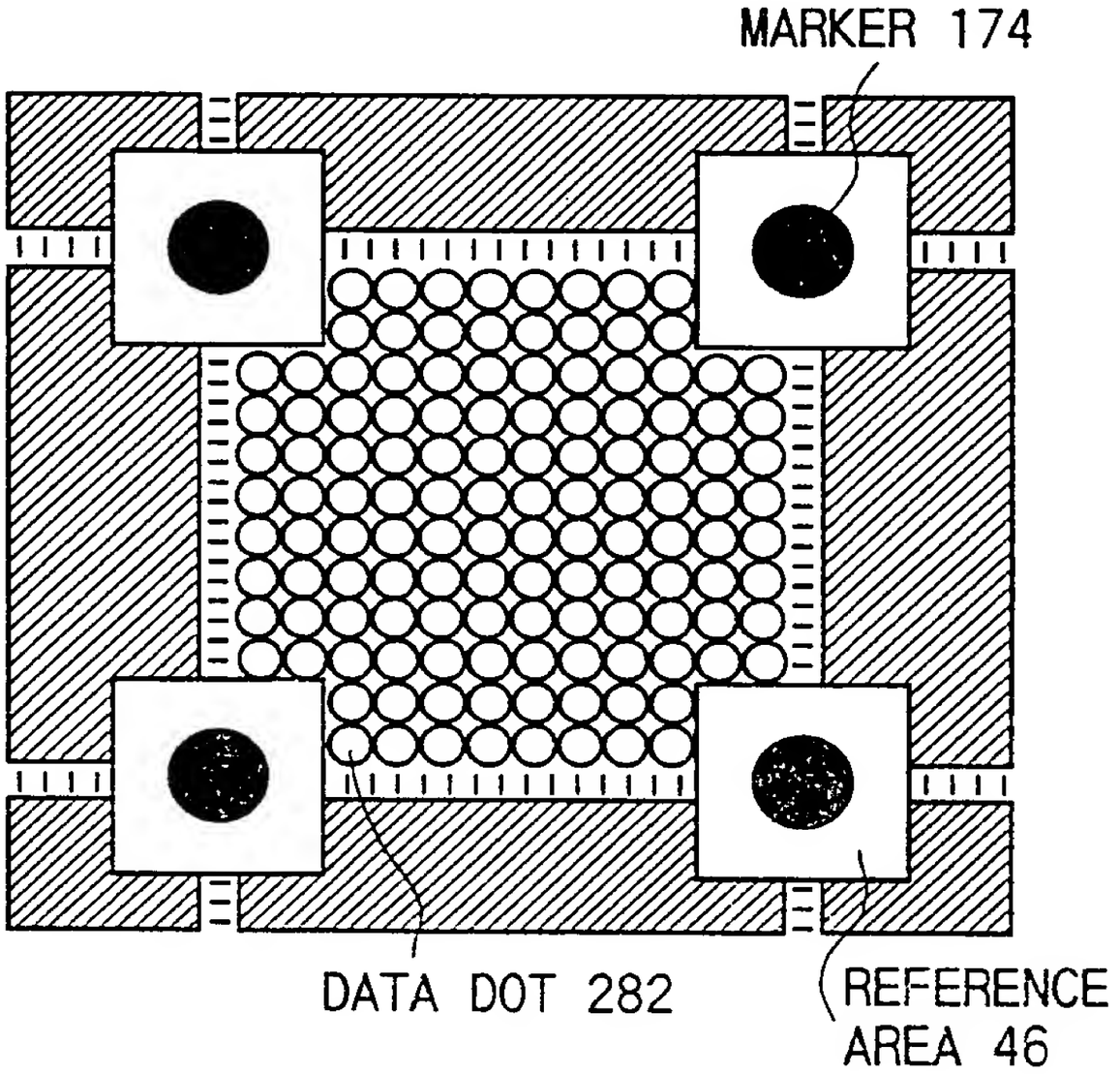


FIG. 69A



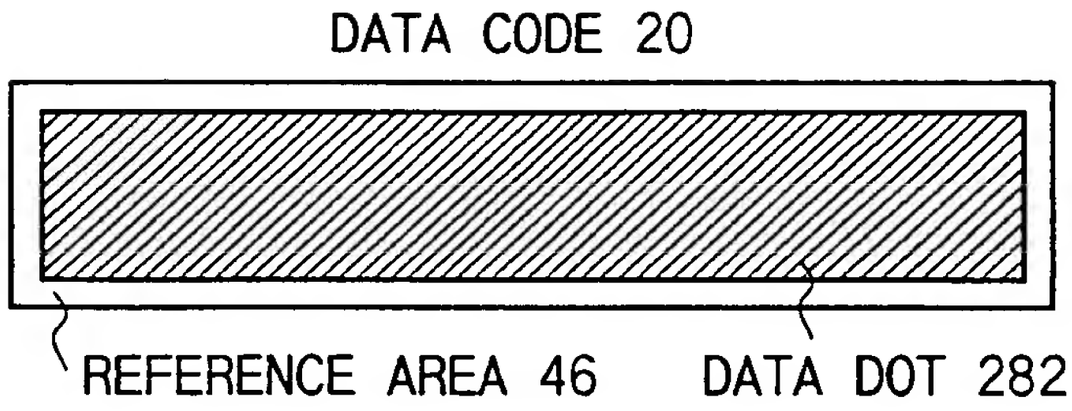


FIG. 69B

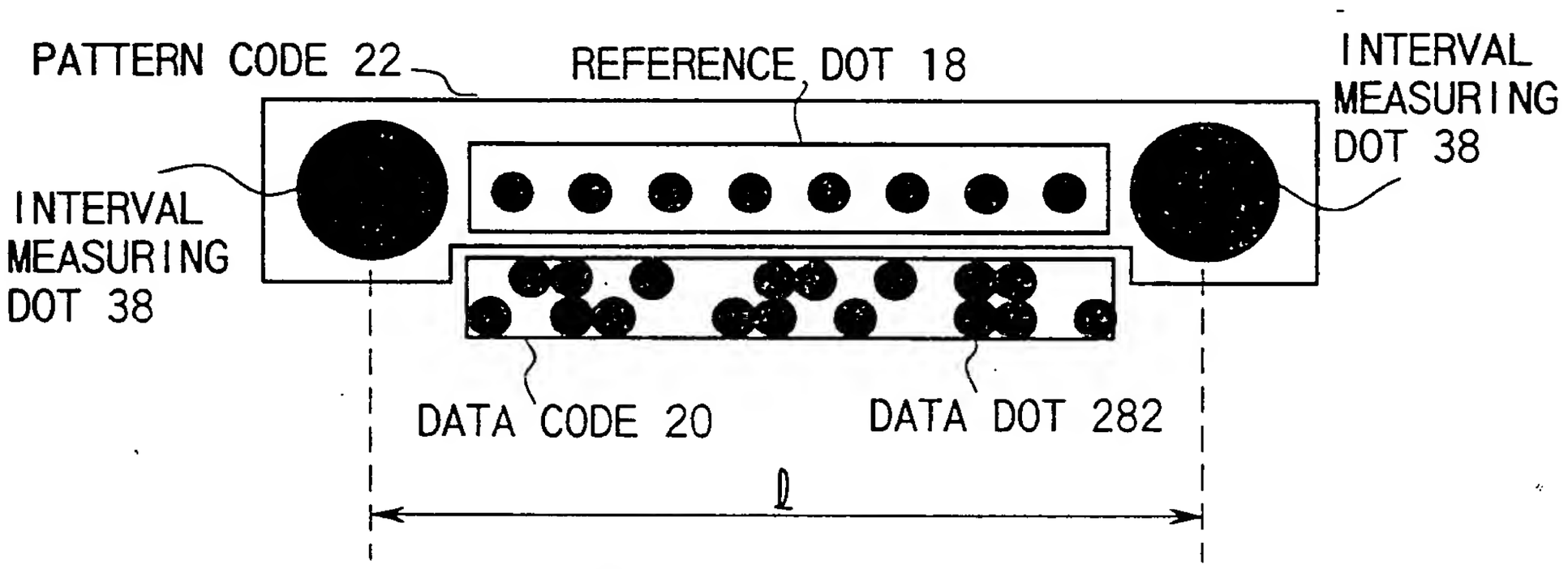


FIG. 70A

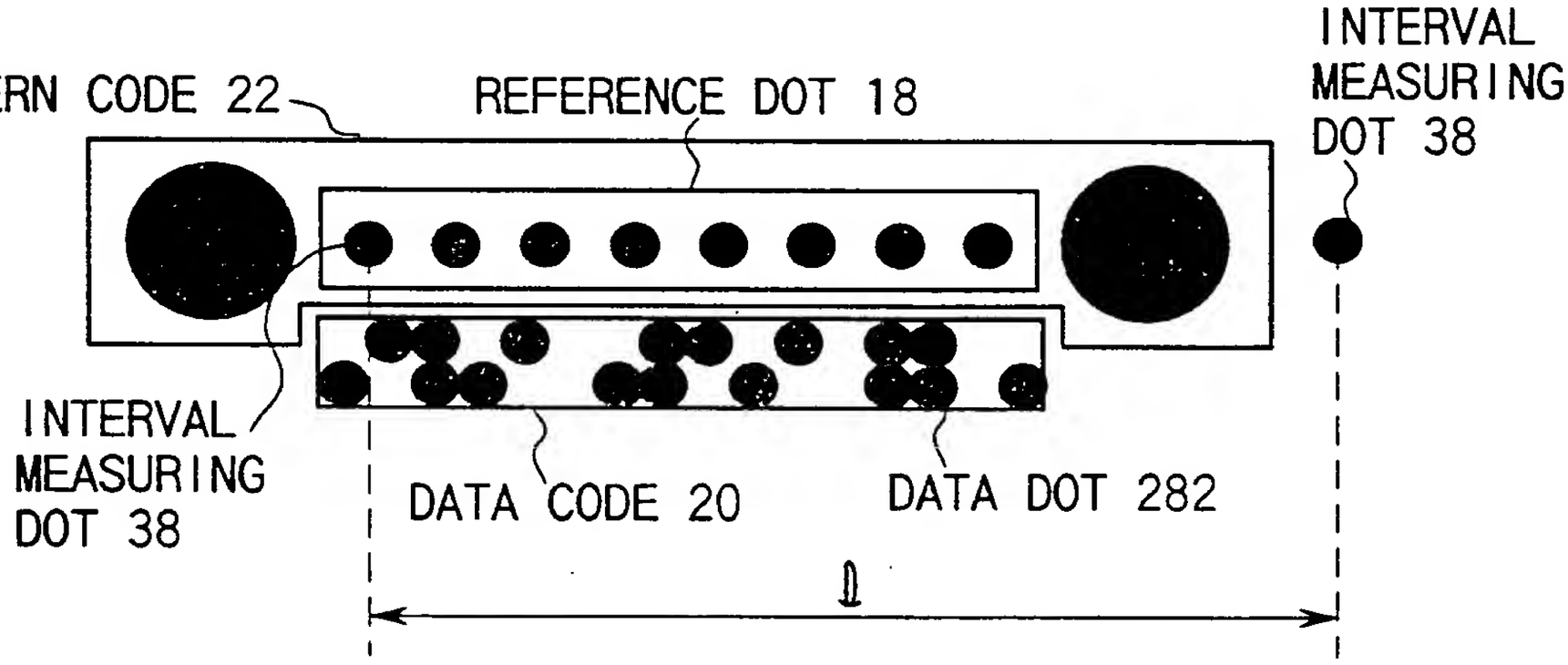


FIG. 70B

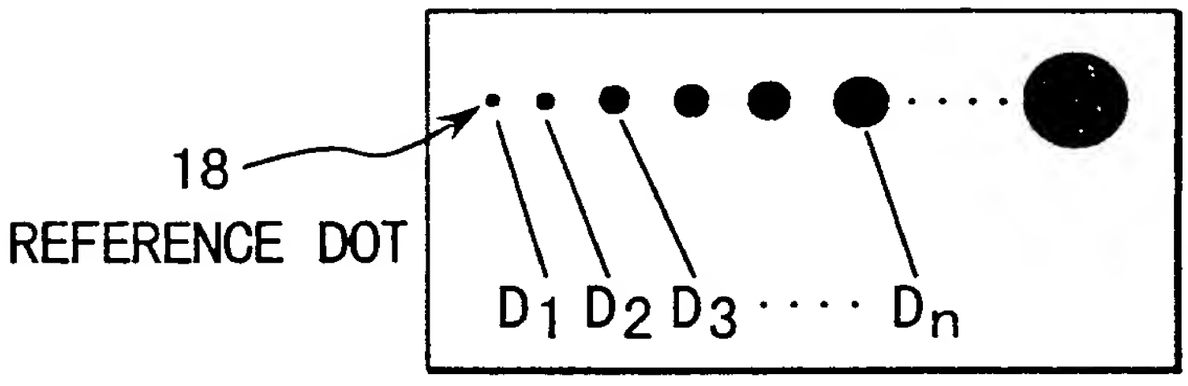


FIG. 71A

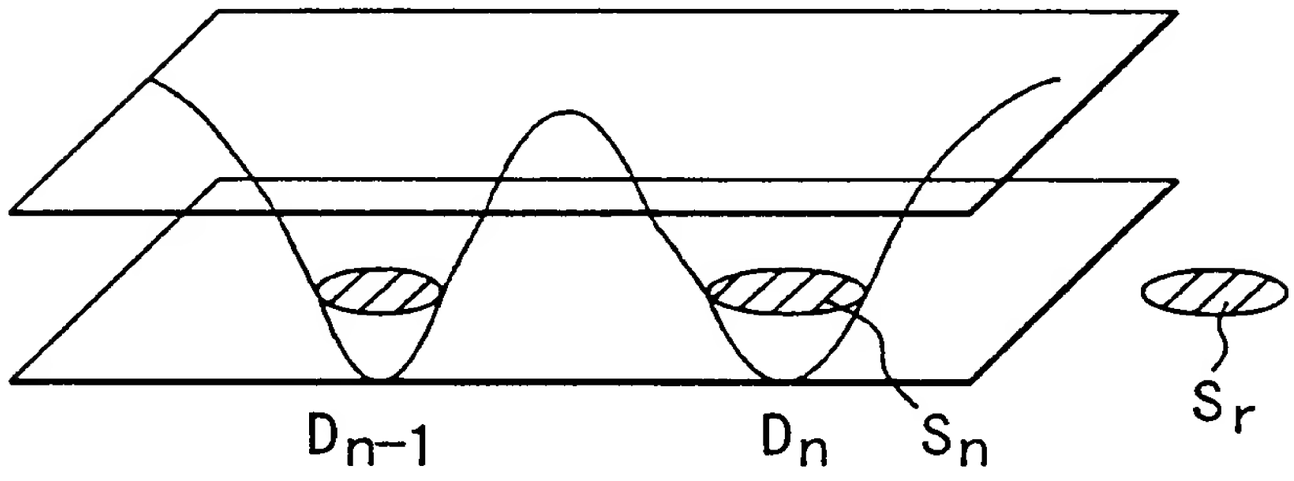


FIG. 71B

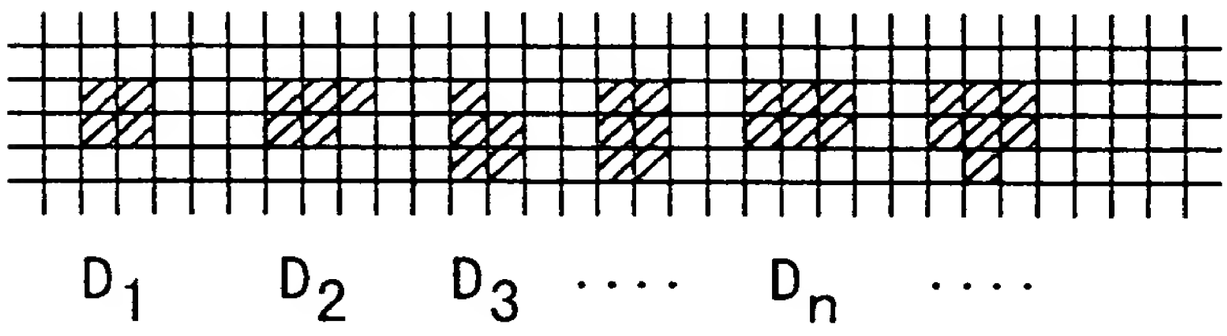


FIG. 74

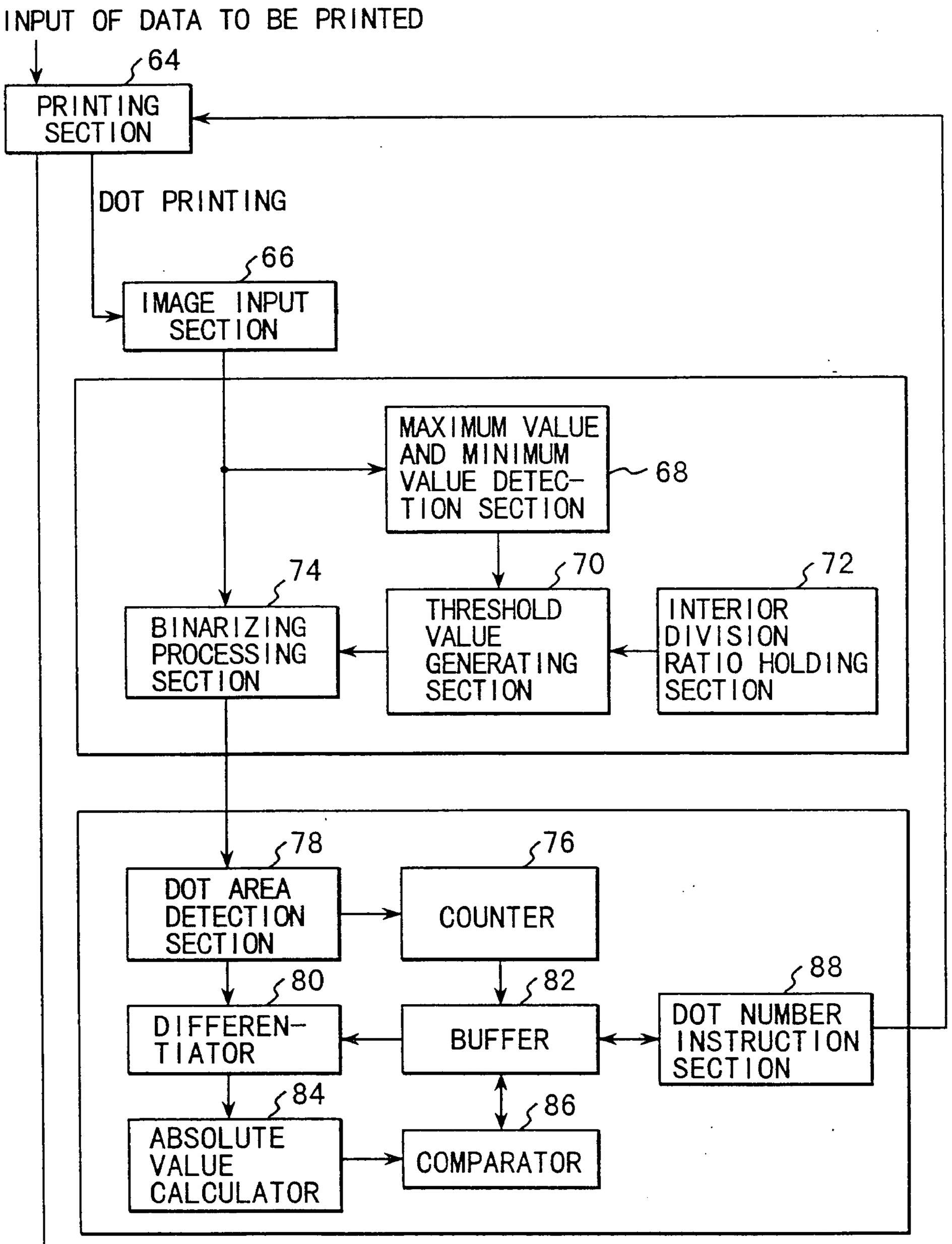
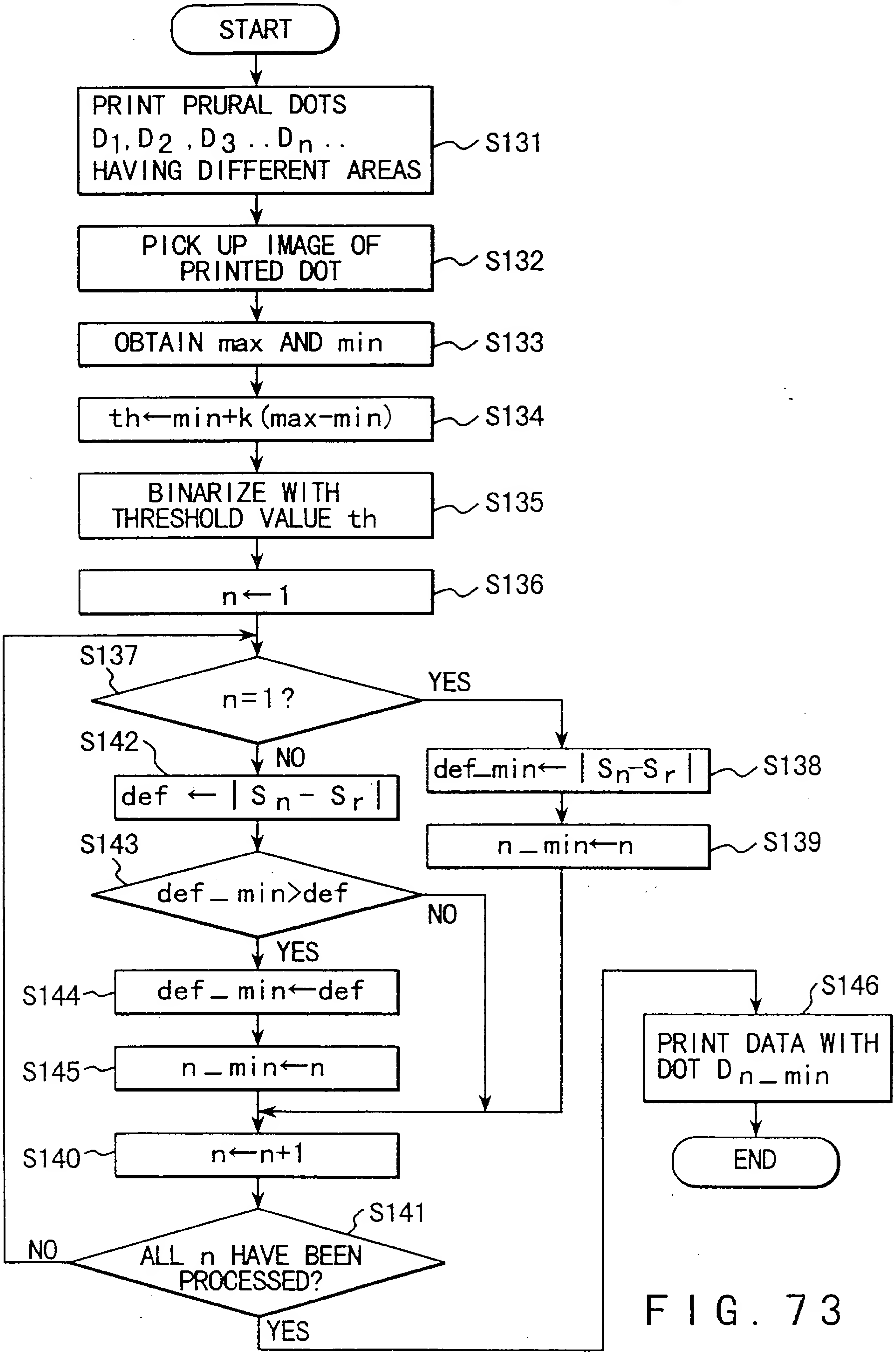


FIG. 72



F I G. 7 3

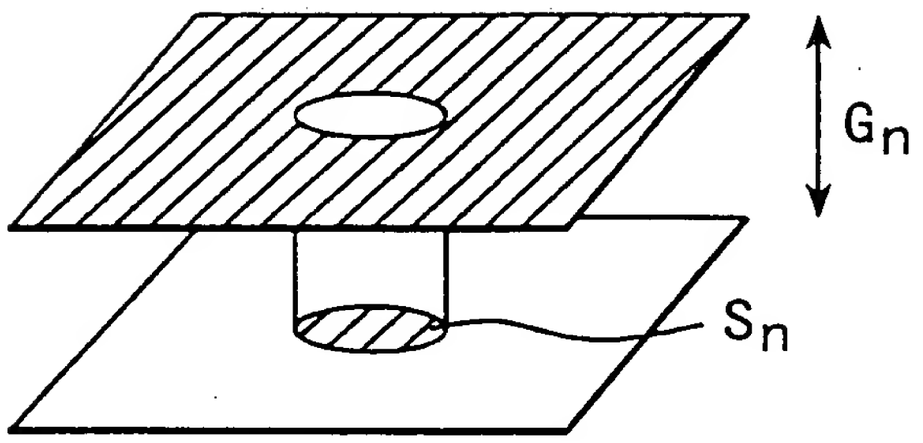
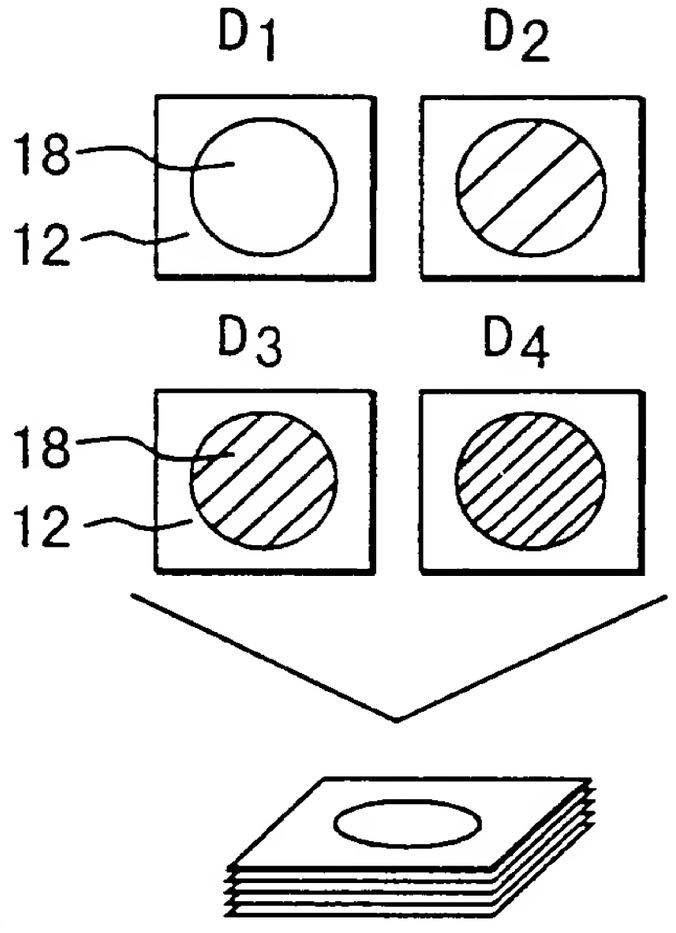


FIG. 75A

FIG. 75B



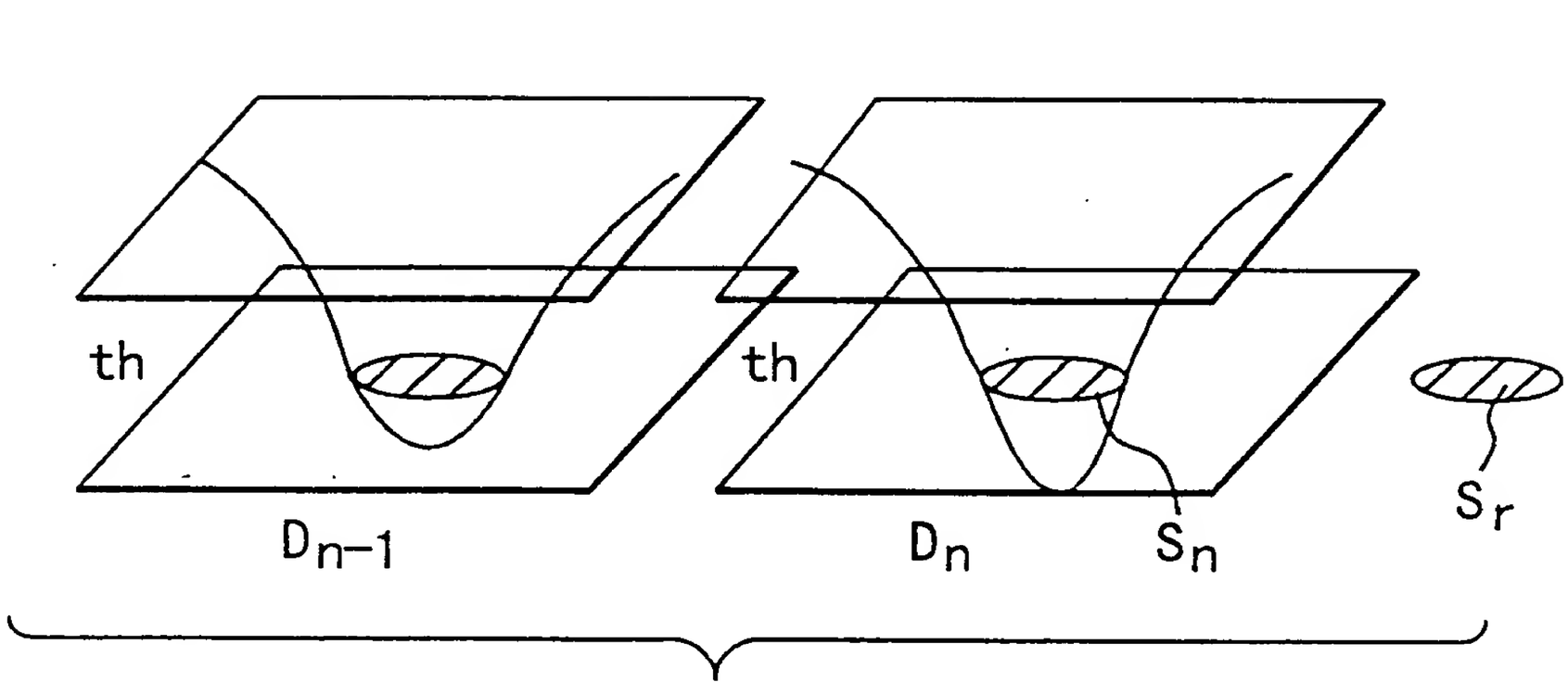


FIG. 75C

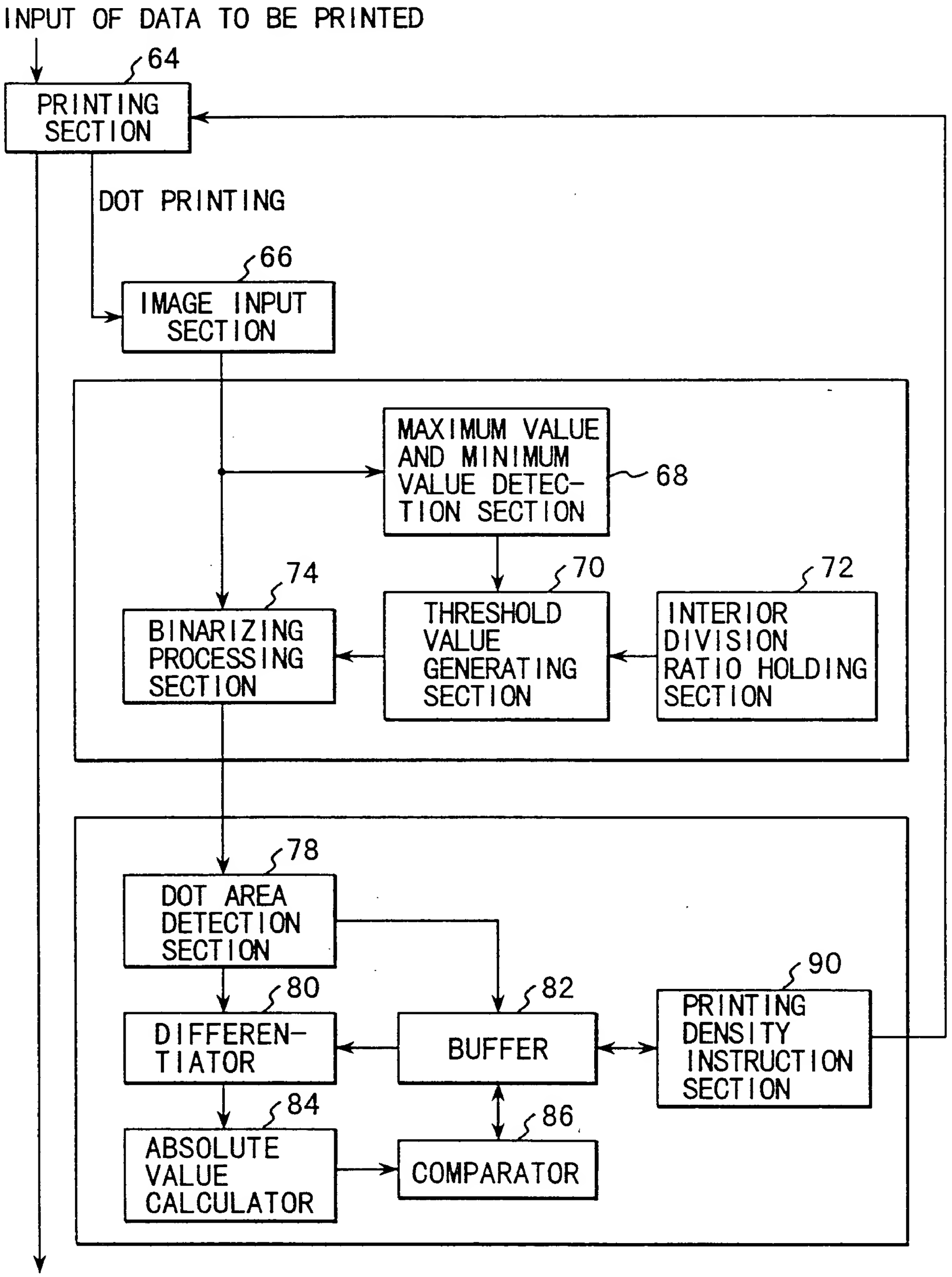


FIG. 76

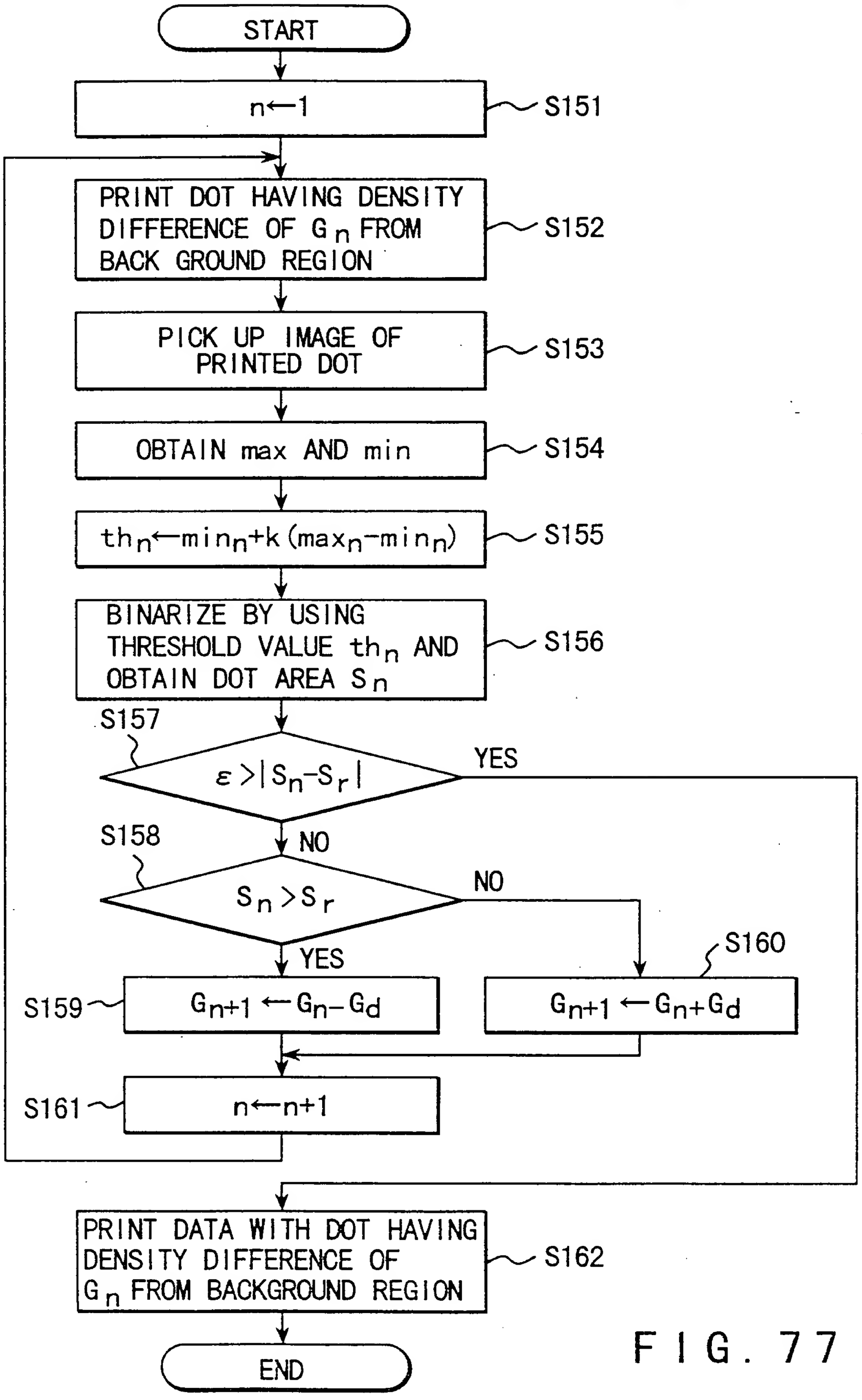


FIG. 77

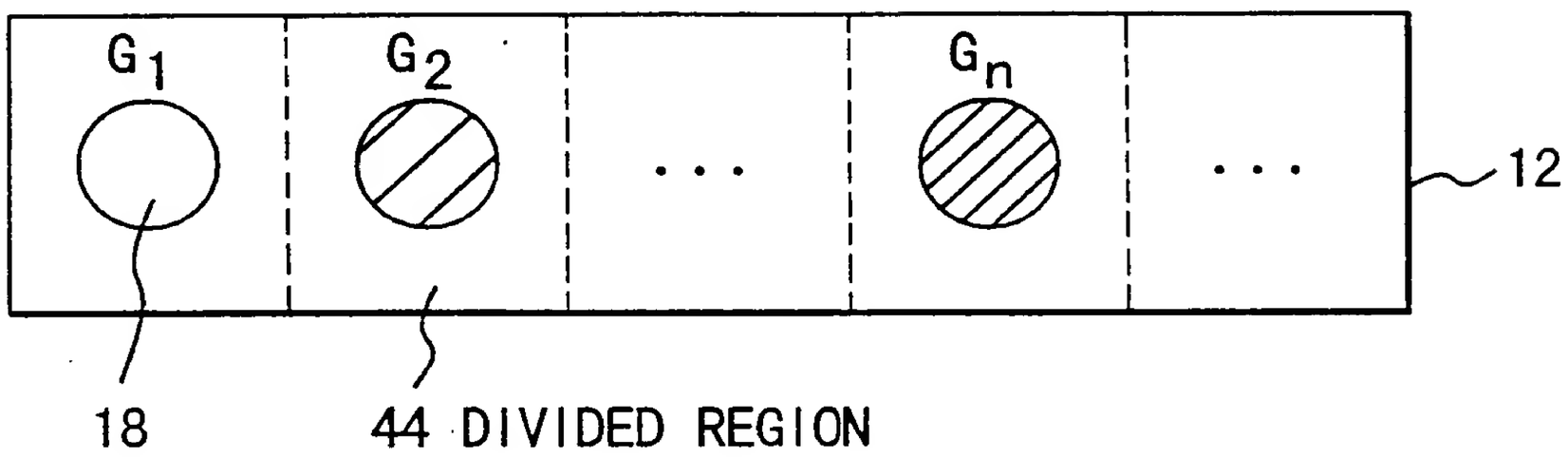


FIG. 78A

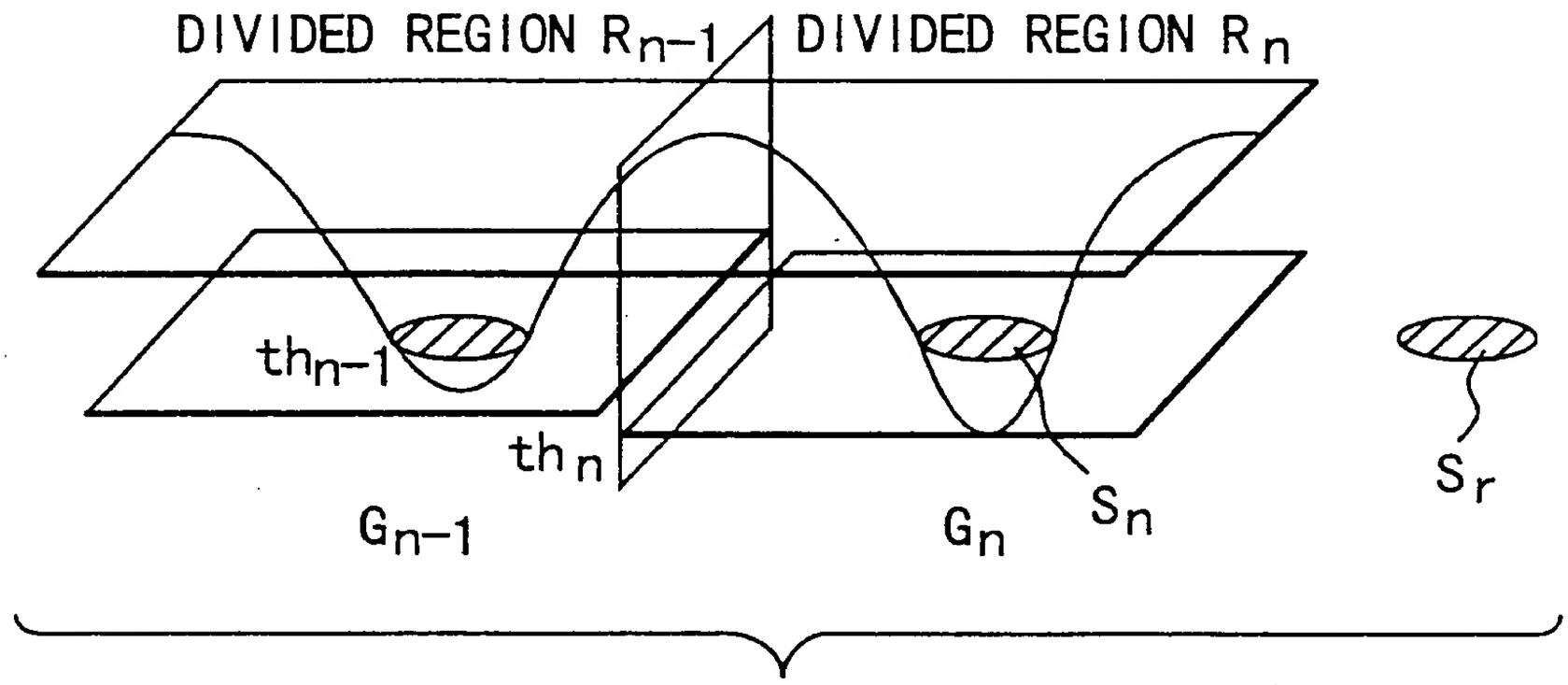


FIG. 78B

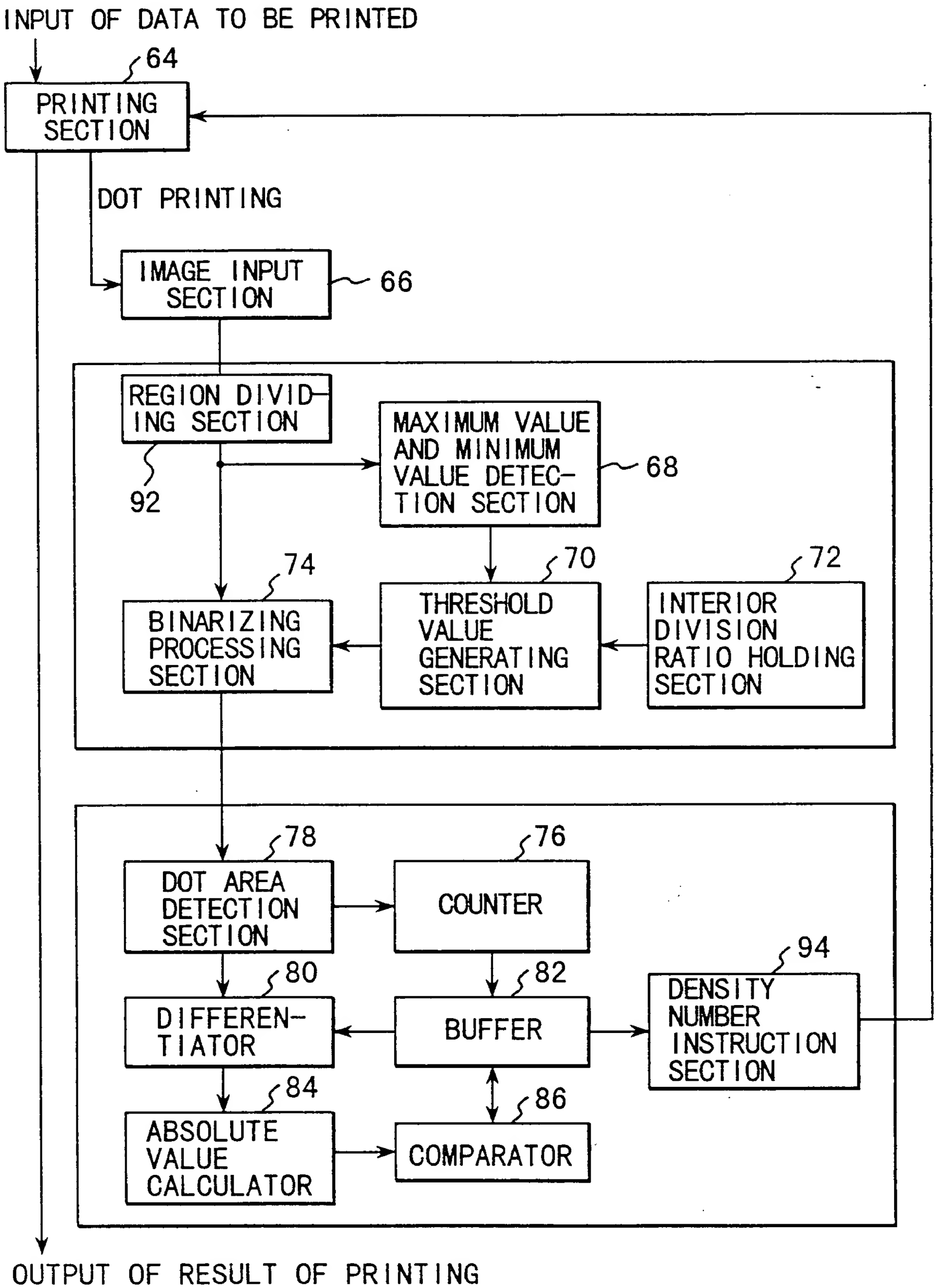


FIG. 79

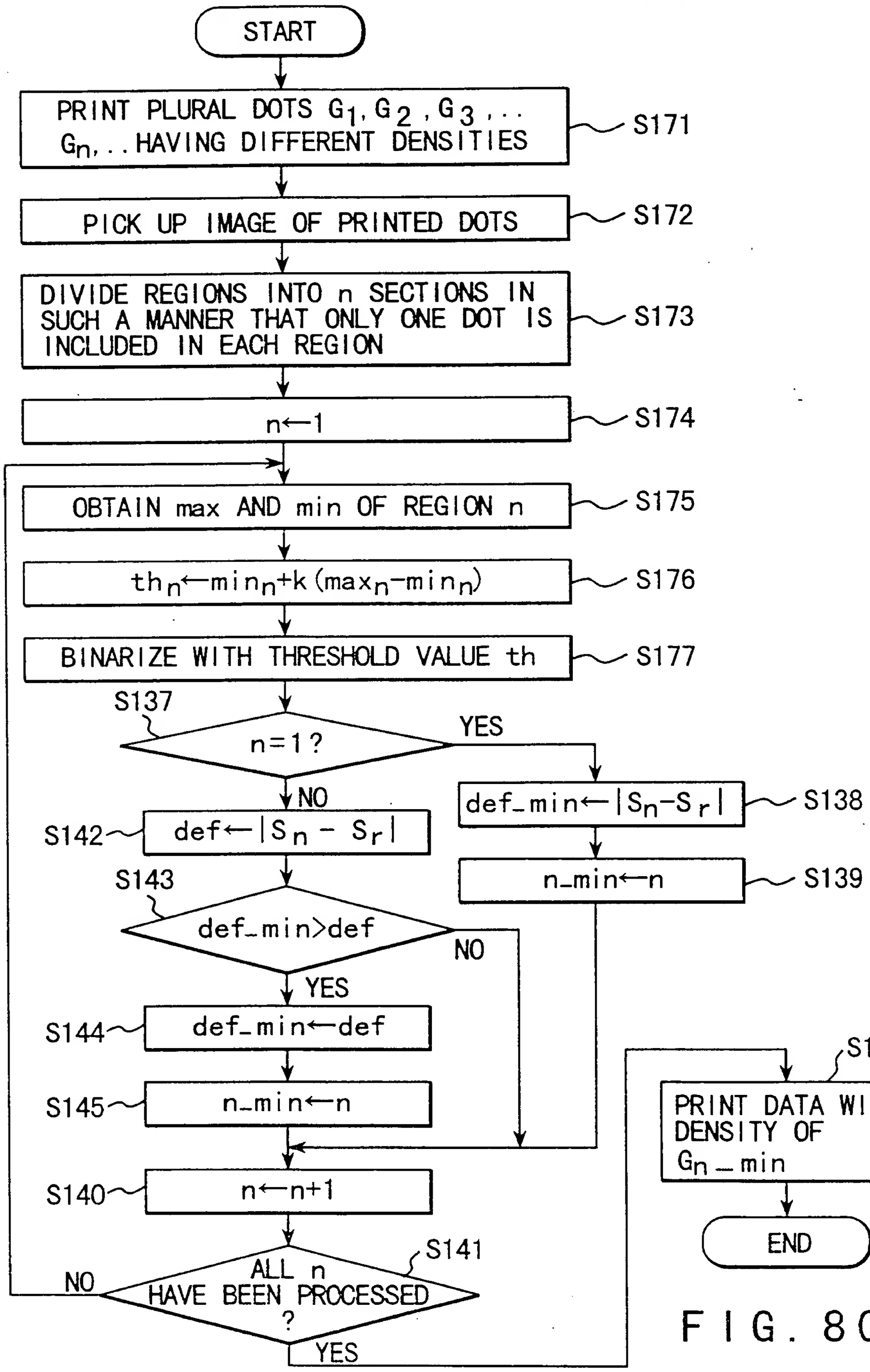


FIG. 80

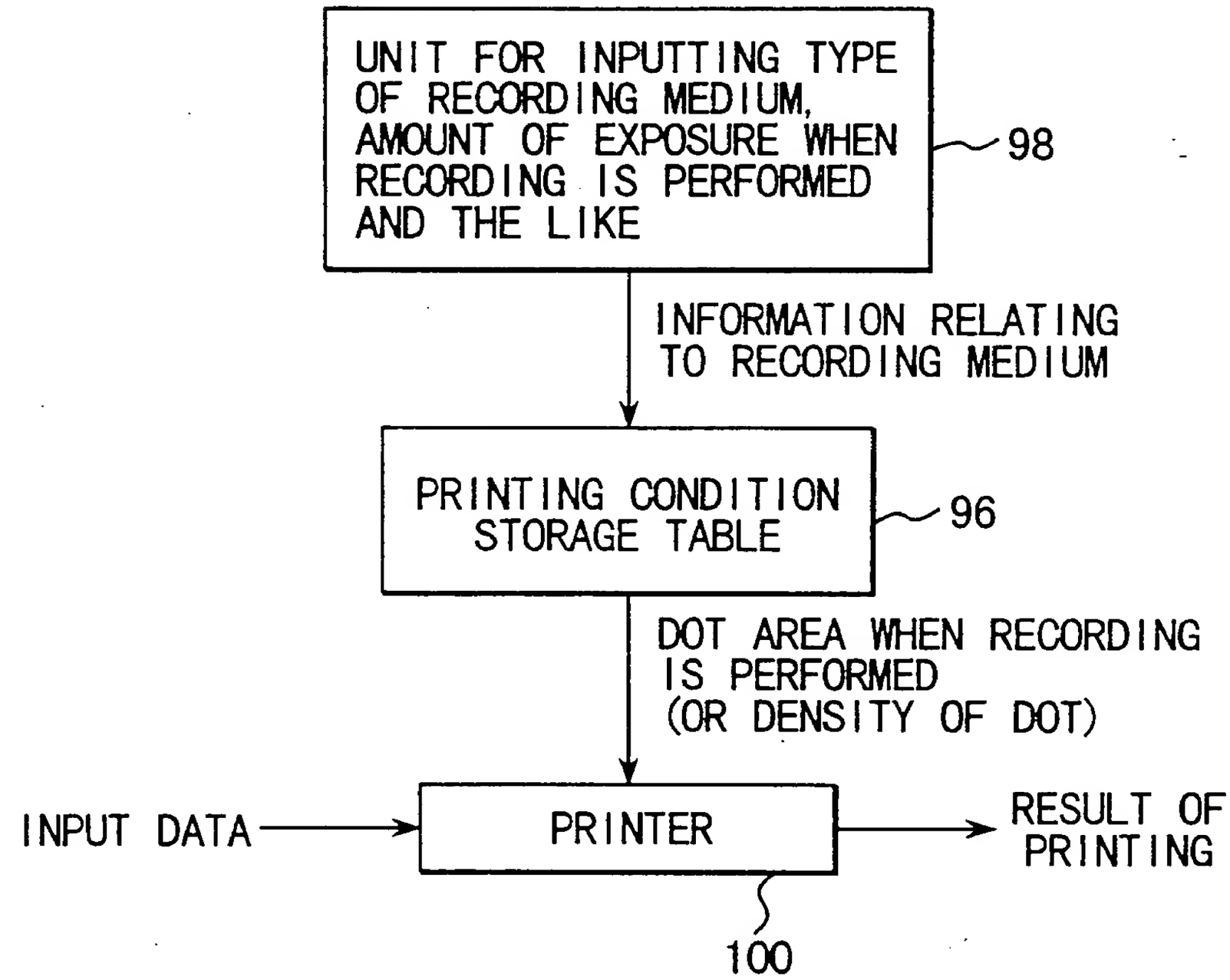


FIG. 81